

# Bulletin 132-17

## Appendix B

Data and Computations  
Used to Determine  
2018 Water Charges



**DEPARTMENT OF WATER RESOURCES**

1416 NINTH STREET, P.O. BOX 942836  
SACRAMENTO, CA 94236-0001  
(916) 653-5791



August 22, 2017

State Water Project Contractors:

We have completed the annual review and redetermination of all water supply and financial aspects of the State Water Project as required by the water supply contracts. This report presents the data and computations used by the State of California in determining the long-term water supply contractors' Statements of Charges to be paid in calendar year 2018.

The information contained herein is published in compliance with Article 22(f) and Article 29(e) of the water supply contracts.

The report, Bulletin 132-17, Appendix B, will also be published as part of the Department of Water Resources' Bulletin 132-17.

Sincerely,

A handwritten signature in black ink, appearing to read "Pedro Villalobos".

Pedro Villalobos, Chief  
State Water Project Analysis Office



## Appendix B Data and Computations Used to Determine 2018 Water Charges

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## SWP Water Contractors

The State Water Project water supply contractors are listed below, followed by shortened forms of their names that are used in Bulletin 132.

Alameda County Flood Control and Water Conservation District, Zone 7	Alameda-Zone 7
Alameda County Water District	Alameda County
Antelope Valley-East Kern Water Agency	AVEK
Castaic Lake Water Agency	Castaic Lake
City of Yuba City	Yuba City
Coachella Valley Water District	Coachella
County of Butte	Butte
County of Kings	Kings
Crestline-Lake Arrowhead Water Agency	Crestline
Desert Water Agency	Desert
Dudley Ridge Water District	Dudley Ridge
Empire West Side Irrigation District	Empire
Kern County Water Agency	Kern
Littlerock Creek Irrigation District	Littlerock
The Metropolitan Water District of Southern California	Metropolitan
Mojave Water Agency	Mojave
Napa County Flood Control and Water Conservation District	Napa
Oak Flat Water District	Oak Flat
Palmdale Water District	Palmdale
Plumas County Flood Control and Water Conservation District	Plumas
San Bernardino Valley Municipal Water District	San Bernardino
San Gabriel Valley Municipal Water District	San Gabriel
San Geronio Pass Water Agency	San Geronio
San Luis Obispo County Flood Control and Water Conservation District	San Luis Obispo
Santa Barbara County Flood Control and Water Conservation District	Santa Barbara
Santa Clara Valley Water District	Santa Clara
Solano County Water Agency	Solano
Tulare Lake Basin Water Storage District	Tulare
Ventura County Watershed Protection District	Ventura



## Appendix B

### Data and Computations Used to Determine 2018 Water Charges

The Department of Water Resources (DWR) annually furnishes Statements of Charges to the 29 State Water Project (SWP) water supply contractors. Article 29(e) of the *Standard Provisions for Water Supply Contract*, approved August 3, 1962, describes those statements:

“All such statements shall be accompanied by the latest revised copies of the document amendatory to Article 22 and of Tables B, C, D, E, F, and G of this contract, together with such other data and computations used by the State in determining the amounts of the above charges as the State deems appropriate.”

To comply with Article 29(e), DWR performs an annual comprehensive review and redetermination of all water supply and financial aspects of the SWP for the entire project repayment period. This annual redetermination is performed in accordance with Article 22(f) and Article 28 of the water supply contracts, which concern the Delta Water Rate and annual transportation charges, respectively.

Appendix B includes data used to document the redetermination of water charges to be paid by contractors during calendar year 2018. The information is based on established data about the SWP, both known and projected, as of June 2017; however, small volumes of water may be reclassified over time pursuant to water supply contract provisions. If research requires more current data than was available at the time of

production of Bulletin 132, please contact the State Water Project Analysis Office. Where applicable, the projected data values shown in this appendix are shaded and the bill year data are in **bold** type.

The computational procedures and interrelationships between tabulations in this appendix are outlined on *Figures B-1* and *B-2*. All tables referenced on Figures B-1 and B-2 follow this text.

### Types of Water Charges

Charges to SWP water supply contractors include the costs of facilities for the conservation and development of a water supply and the conveyance of such supply to SWP service areas. These facilities are classified as “Project Conservation Facilities” and “Project Transportation Facilities” in the *Standard Provisions for Water Supply Contract*. Names of the main facilities in each classification follow.

#### Project Conservation Facilities

- Frenchman Dam and Lake
- Grizzly Valley Dam and Lake Davis
- Antelope Dam and Lake
- Oroville Dam and Lake Oroville
- Oroville power facilities
- Delta facilities
- Suisun Marsh facilities
- Yolo Bypass
- A portion of the California Aqueduct from the Delta to Dos Amigos Pumping Plant
- Sisk Dam, San Luis Reservoir, and Gianelli Pumping-Generating Plant

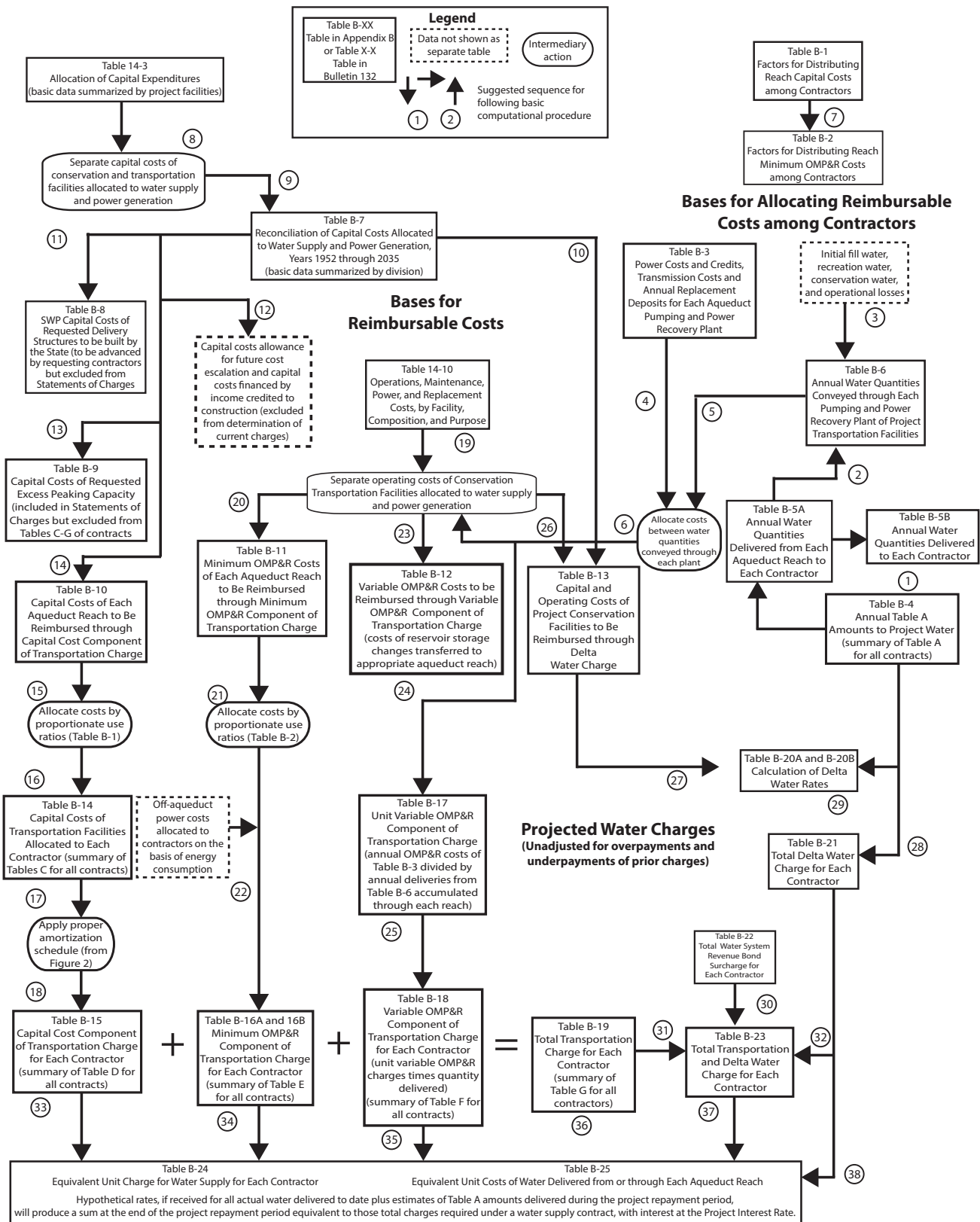
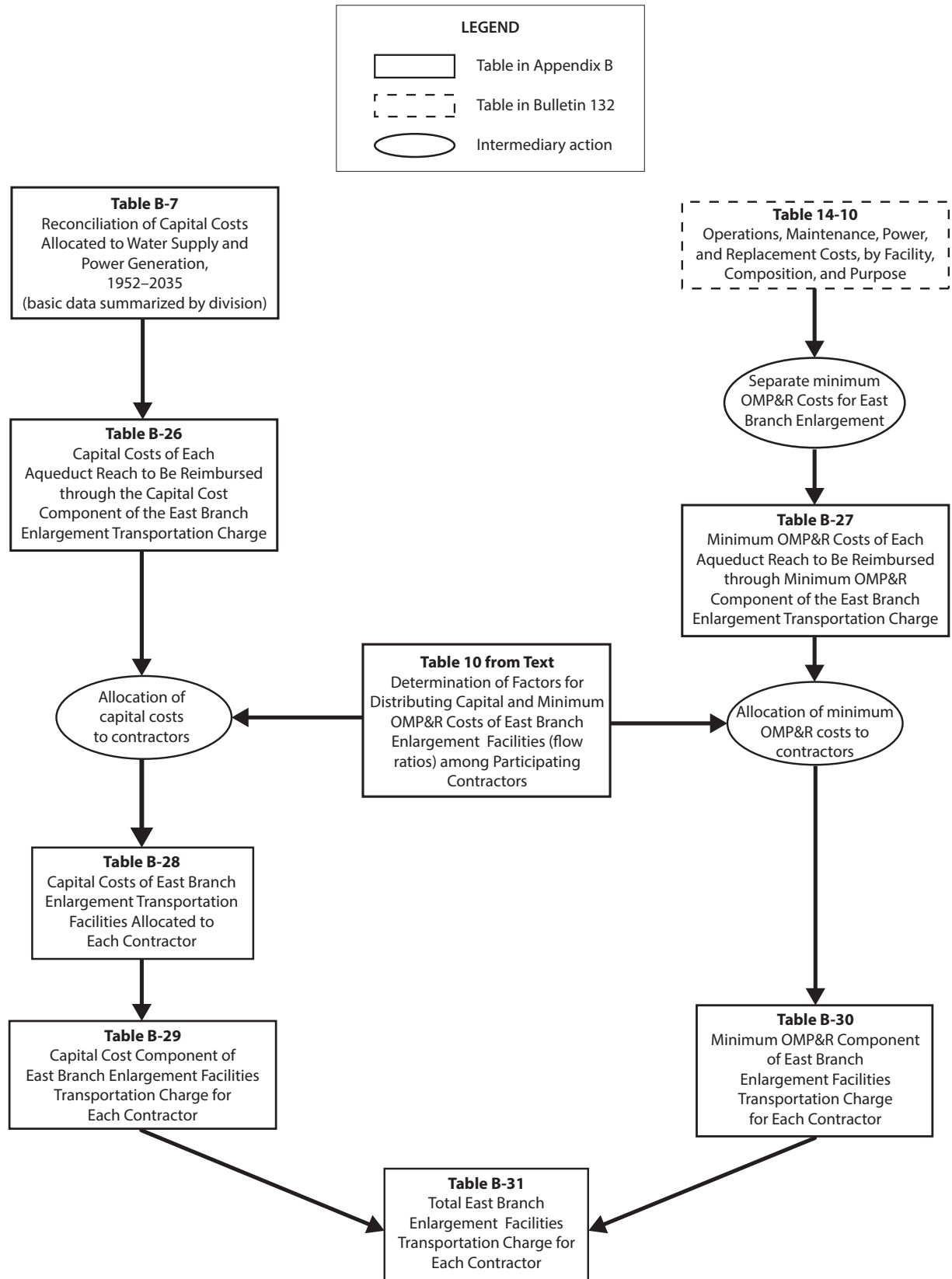


Figure B-1 Relationships of Data Used to Substantiate Statements of Charges



**Figure B-2 Relationships of Data Used to Substantiate East Branch Enlargement Charges**

### Project Transportation Facilities

- Grizzly Valley Pipeline
- North Bay Aqueduct
- South Bay Aqueduct, including Del Valle Dam and Lake del Valle
- the remainder of the California Aqueduct from the Delta to Dos Amigos Pumping Plant and all facilities south, including dams and lakes in Southern California
- Off-Aqueduct Power Facilities (Reid Gardner Unit No. 4, Bottlerock Powerplant, and South Geysers Powerplant)

The standard provisions provide for a Delta Water Charge and a Transportation Charge for project water.

The Delta Water Charge is a unit charge applied to each acre-foot of SWP water the contractors are to receive, in accordance with their contracts. The unit charge, if applied to each acre-foot of all such allocations for the remainder of the project repayment period, is calculated to result in repayment of all outstanding reimbursable costs of the Project Conservation Facilities, with appropriate interest, by the end of the repayment period (2035).

The Transportation Charge is for use of facilities to transport water to the vicinity of each contractor's turnout(s). Generally, the annual charge represents each contractor's proportionate share of the reimbursable capital costs and operating costs of the Project Transportation Facilities.

Each contractor's allocated share of those reimbursable capital costs is amortized for repayment to the State, and certain variations are allowed in the amortization methods. Contractors' shares of reimbursable operating costs are repaid in the year such costs are incurred by the State.

The East Branch Enlargement Transportation Charge is paid by the seven Southern

California contractors participating in the enlargement. San Bernardino Valley Municipal Water District advanced funds to pay the district's allocated capital costs for the East Branch Enlargement. The remaining six contractors pay an allocated share of the debt service on revenue bonds sold to finance the enlargement. Each contractor will also pay an allocated share of the minimum operation, maintenance, power, and replacement (OMP&R) costs of the East Branch Enlargement.

Transportation charges for the Coastal Branch Extension, East Branch Extension, and South Bay Enlargement are being repaid by contractors in their respective service areas.

Transportation charges for the Tehachapi Afterbay are repaid by those contractors using electrical power for delivery of their Table A water downstream of the Tehachapi Afterbay.

## Composition and Timing of Water Charges

As shown on *Figure B-3*, the Delta Water Charge and the Transportation Charge consist of the following three components:

- (1) conservation and transportation capital cost components, which will return to the State all reimbursable capital costs;
- (2) conservation and transportation minimum OMP&R components, which will return to the State all reimbursable operating costs that do not depend on or vary with quantities of water actually delivered to the contractors; and
- (3) a transportation variable OMP&R component, which will return to the State all reimbursable operating costs that depend on and vary with quantities of water actually delivered to the contractors.

## Delta Water Charge

### *Capital Cost Component*

1. Planning, design, right-of-way, and construction costs of Conservation Facilities
2. Operations and maintenance (O&M) costs for newly constructed Conservation Facilities prior to initial operations
3. Activation costs for newly constructed Conservation Facilities
4. Power costs allocated to initial filling of San Luis Reservoir
5. Capitalized O&M costs (major repair work and so forth) for Conservation Facilities
6. Program costs (portion) to mitigate impacts on current Delta fishery population due to State Water Project (SWP) pumping prior to 1986 (Department of Water Resources-Department of Fish and Wildlife agreement)

### *Minimum Operations, Maintenance, Power, and Replacement (OMP&R) Component*

1. Direct O&M costs of Conservation Facilities
2. General O&M costs allocated to Conservation Facilities
  - a. Contractor Accounting Office (portion)
  - b. Financial and contract administration (portion)
  - c. Water rights
  - d. Power planning for SWP facilities (portion)
3. Replacement deposits for SWP control centers (portion)
4. Credits for a portion of Hyatt-Thermalito power generation
5. Power costs and credits related to pumping water to San Luis Reservoir for project operations (storage changes)
6. Value of power used and generated by Gianelli Pumping-Generating Plant
7. Program costs (portion) to offset annual fish losses resulting from pumping at Banks Pumping Plant (Department of Water Resources-Department of Fish and Wildlife agreement)

## Transportation Charge

### *Capital Cost Component*

1. Planning, design, right-of-way, and construction costs of Transportation Facilities
2. Operations and maintenance (O&M) costs for newly constructed Transportation Facilities prior to initial operation
3. Activation costs for newly constructed Transportation Facilities
4. Power costs allocated to initial filling of Southern California reservoirs
5. Capitalized O&M costs (e.g., major repair work) for Transportation Facilities
6. Program costs (portion) to mitigate impacts on current Delta fishery population due to SWP pumping prior to 1986 (Department of Water Resources-Department of Fish and Wildlife agreement)

### *Minimum OMP&R Component*

1. Direct O&M costs of Transportation Facilities
  - a. Headquarters and field divisions (portion)
  - b. Insurance and Federal Energy Regulatory Commission (FERC) costs (portion)
2. General O&M costs related to Transportation Facilities
  - a. Contractor Accounting Office (portion)
  - b. Financial and contract administration (portion)
  - c. Power planning for SWP facilities (portion)
3. Power costs and credits related to pumping water to Southern California reservoirs for project operations (storage changes)
4. Power costs for pumping water to replenish losses from Transportation Facilities (downstream costs)
5. Other power costs
  - a. Station service at Transportation Facility power and pumping plants
  - b. Certain transmission service costs (transmission access charges, downstream costs, etc.)
6. Replacement deposits for SWP control centers (portion)
7. Off-Aqueduct Power Facility costs—bond service, bond cover costs (25 percent of bond service), bond reserves, transmission service costs, fuel costs, taxes, and O&M—less power sales allocated to Off-Aqueduct Power Facilities
8. Program costs (portion) to offset annual fish losses resulting from pumping at Banks Pumping Plant (Department of Water Resources-Department of Fish and Wildlife agreement)

### *Variable OMP&R Component*

1. Power purchase costs
  - a. Capacity
  - b. Energy
  - c. Pine Flat Powerplant bond service, O&M, and transmission costs allocated to aqueduct pumping plants
2. Alamo, Devil Canyon, Warne, and Castaic power generation credited at the power plant reach and charged to aqueduct pumping plants
3. Hyatt-Thermalito Diversion Dam Powerplant generation charged to aqueduct pumping plants (credits for this generation are reflected in the Delta Water Rate)
4. Replacement deposits for equipment at pumping plants and power plants
5. Credits from sale of excess SWP system power
6. Program costs (portion) to offset annual fish losses resulting from pumping at Banks Pumping Plant (Department of Water Resources-Department of Fish and Wildlife agreement)

Note: Excludes costs recovered under the East Branch Enlargement Transportation Charge.

**Figure B-3 Composition of Delta Water Charge and Transportation Charge**

The formula for computing the Delta Water Rate, Article 22(f) of the *Standard Provisions for Water Supply Contract*, was designed to ensure that all adjustments for prior overpayments or underpayments of the Delta Water Charge are accounted for in a redetermination of the rate. Since the redetermined rate applies to all future allocations, such adjustments are amortized during the remainder of the project repayment period. This appendix includes a redetermination of the Delta Water Rate for 2018.

Article 28 of the standard provisions stipulates that Transportation Charges be redetermined each year. The tables in Appendix B include the numerical data used in this redetermination. Transportation Charges for prior years through 2017, included in those tables, are the redetermined amounts and do not equal the amounts actually paid by contractors.

As provided under the Water System Revenue Bond Amendment to the water supply contracts, differences between actual payments under the Transportation capital cost component and amounts computed in this redetermination are accumulated with interest and amortized during the remaining years of the contract repayment period. All computations for adjustments are included in the attachments accompanying each contractor's Statement of Charges and are reflected in revised copies of Table C through Table G of the contract, which are also furnished to each SWP contractor in its annual Statement of Charges.

These redeterminations exclude four charges associated with water service other than the Delta Water Charge and the Transportation Charge. The excluded charges (and the manner in which they are treated in this appendix) are outlined below.

- (1) Advances of funds pursuant to Article 24(d) of the standard provisions

for excess capacity constructed by the State at the request of contractors.

- (2) Advances of funds pursuant to Article 10(d) of the standard provisions for delivery structures (turnouts) constructed by the State at the request of contractors. Partial information concerning actual and projected capital costs of such delivery structures is included in this appendix. Statements concerning these costs and data are furnished to the appropriate contractors at various times and are not part of the annual statements.
- (3) Payments for sale and service of surplus water to entities other than contractors, pursuant to Article 21 of the standard provisions, are also excluded. Those payments are generally based on the unit rates shown in Table B-25. Net revenues resulting from noncontractor service are applied as indicated on page 24 of Bulletin 132-71.
- (4) Payments under the Devil Canyon-Castaic contract for costs of the Devil Canyon-Castaic facilities allocable to power generation. Charges billed as a result of the contract are billed separately from those billed as a result of the water supply contract. Information about the treatment of such charges in relation to redetermined Transportation Charges is included in special attachments to the bills of the six participating contractors.

Time and method of payment for corresponding components of the Delta Water Charge and the Transportation Charge are as follows.

- (1) The capital cost components of the Delta Water Charge and the Transportation Charge are paid in two semiannual installments, due January 1 and July 1 of each year, based on statements furnished by the State on or before July 1 of the preceding year.



- (2) The minimum OMP&R components of the Delta Water Charge and the Transportation Charge are paid in 12 equal installments due the first of each month and based on statements furnished by the State on or before July 1 of the preceding year.
- (3) The variable OMP&R component of the Transportation Charge is paid in varying monthly amounts and is due the fifteenth day of the second month following actual water delivery. The charges are projected based on a unit charge per acre-foot established on or before July 1 of the preceding year. Those unit charges may be revised during the year to reflect current power costs and revenues. The unit charges are applied to actual monthly delivery quantities as determined by the State on or before the fifteenth day of the month following actual water delivery.

## Bases for Allocating Reimbursable Costs among Contractors

This section describes procedures for allocating reimbursable costs of Project Transportation Facilities among contractors (see upper right portion of Figure B-1). Those costs do not include annual costs of Off-Aqueduct Power Facilities, which are explained in the “Project Water Charges” section.

### Capital and Minimum OMP&R Costs

*Figure B-4* includes information about the repayment reaches that form the basis for allocating reimbursable costs of the Project Transportation Facilities among contractors.

Allocations of reimbursable capital costs and minimum OMP&R costs of each reach are based on the proportionate maximum use of

that reach by respective contractors under planned conditions of full development.

The derivation of ratios that represent the proportionate maximum use of each aqueduct reach by the respective contractors was first reported in Bulletin 132-70. The ratios in Bulletin 132-70 were subsequently revised for the North Bay Aqueduct, the South Bay Aqueduct, the California Aqueduct from the Delta to Castaic Lake, and the Coastal Branch.

All the revisions reported in previous bulletins regarding the derivation of ratios that represent the proportionate maximum use of each aqueduct reach by the respective contractors were last reported in Tables B-1 and B-2 of Bulletin 132-91. Under Article 53 of the Monterey Amendment, agricultural contractors may sell up to 130,000 acre-feet of aqueduct capacity to municipal and industrial contractors. The first permanent transfer occurred in 1998. Currently, 114,000 acre-feet of the allowable capacity has been transferred. *Table 1* shows the permanent capacity transfers that have taken place since the Monterey Amendment was implemented in 1995.

*Table B-1* presents the reach ratios currently applicable to reimbursable capital costs. These reach ratios do not reflect the permanent capacity transfers.

*Table B-2* presents corresponding ratios for allocating 2018 and after reimbursable minimum OMP&R costs among contractors. Requested excess capacity is omitted when deriving ratios applicable to capital costs because the capital costs for the excess capacity are paid on an incremental-cost basis and not a proportionate-use basis. However, requested excess capacity is accounted for in the ratios applicable to minimum OMP&R costs.

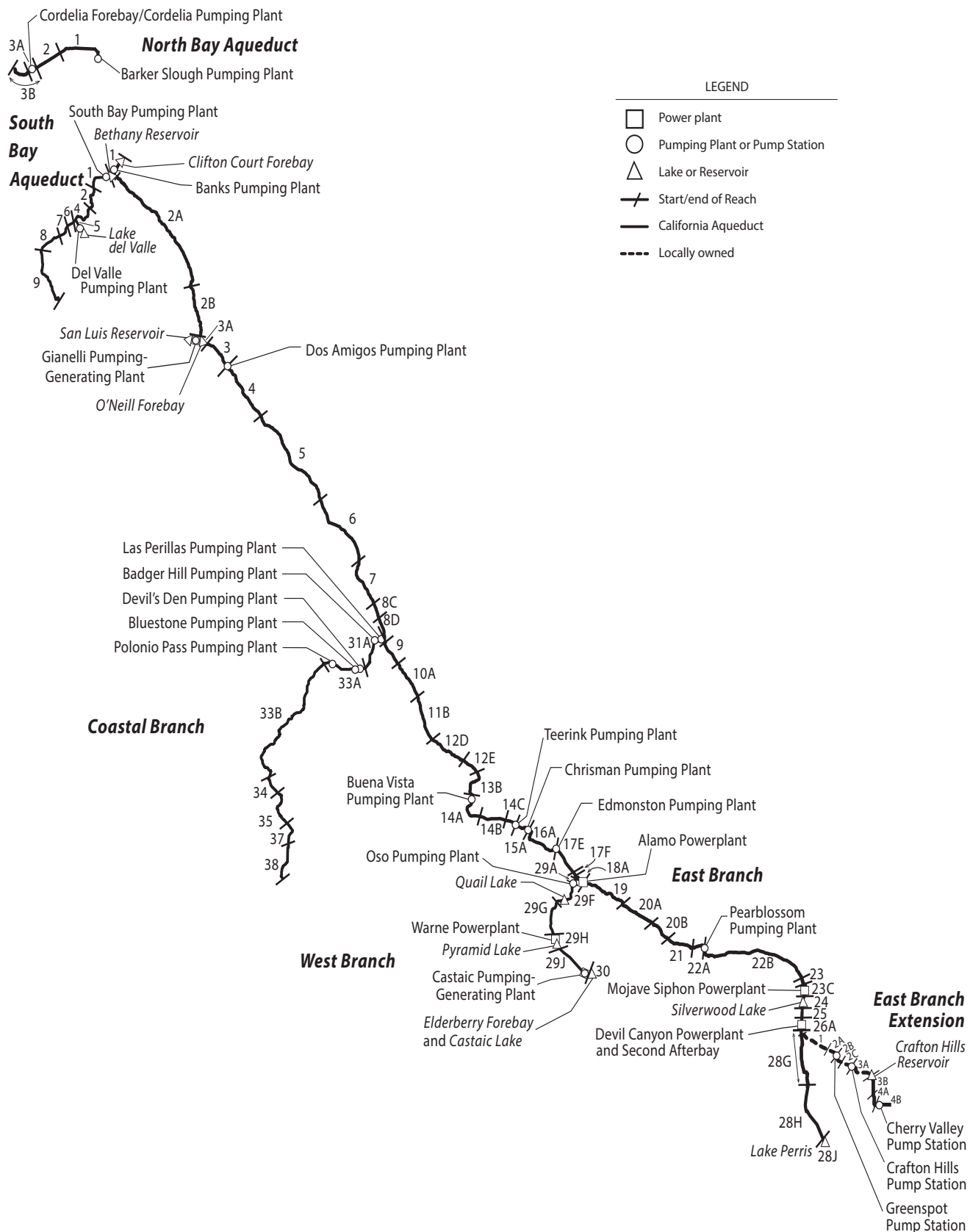


Figure B-4 Repayment Reaches and Descriptions

**North Bay Aqueduct**

- 1 Barker Slough through Fairfield/Vacaville Turnout
- 2 Fairfield/Vacaville Turnout to Cordelia Forebay
- 3A Cordelia Forebay through Benicia and Vallejo Turnouts
- 3B Cordelia Forebay through Napa Turnout Reservoir

**South Bay Aqueduct**

- 1 Bethany Reservoir through Altamont Turnout
- 2 Altamont Turnout through Patterson Reservoir
- 4 Patterson Reservoir to Del Valle Junction
- 5 Del Valle Junction through Lake del Valle
- 6 Del Valle Junction through South Livermore Turnout
- 7 South Livermore Turnout through Vallecitos Turnout
- 8 Vallecitos Turnout through Alameda-Bayside No. 1 Turnout
- 9 Alameda-Bayside No. 1 Turnout through Santa Clara Terminal Facilities

**California Aqueduct****North San Joaquin Division**

- 1 Delta through Bethany Reservoir
- 2A Bethany Reservoir to Orestimba Creek
- 2B Orestimba Creek to O'Neill Forebay

**San Luis Division**

- 3A Sisk Dam, San Luis Reservoir, and Gianelli Pumping-Generating Plant
- 3 O'Neill Forebay to Dos Amigos Pumping Plant
- 4 Dos Amigos Pumping Plant to Panoche Creek
- 5 Panoche Creek to Five Points
- 6 Five Points to Arroyo Pasajero
- 7 Arroyo Pasajero to Kettleman City

**South San Joaquin Division**

- 8C Kettleman City through Milham Avenue
- 8D Milham Avenue through Avenal Gap
- 9 Avenal Gap through Twisselman Road
- 10A Twisselman Road through Lost Hills
- 11B Lost Hills to 7th Standard Road
- 12D 7th Standard Road through Elk Hills Road
- 12E Elk Hills Road through Tupman Road
- 13B Tupman Road to Buena Vista Pumping Plant
- 14A Buena Vista Pumping Plant through Santiago Creek
- 14B Santiago Creek through Old River Road
- 14C Old River Road to Teerink Pumping Plant
- 15A Teerink Pumping Plant to Chrisman Pumping Plant
- 16A Chrisman Pumping Plant to Edmonston Pumping Plant

**Coastal Branch, California Aqueduct**

- 31A Avenal Gap to Devil's Den Pumping Plant
- 33A Devil's Den Pumping Plant through Tank 1
- 33B Tank 1 through Chorro Valley Turnout
- 34 Chorro Valley Turnout through Lopez Turnout
- 35 Lopez Turnout through Guadalupe Turnout
- 37 Guadalupe Turnout to SPRR crossing near Casmalia
- 38 SPRR crossing near Casmalia through terminous at Tank 5 (Outlet Vault)

**Tehachapi Division**

- 17E Edmonston Pumping Plant to Porter Tunnel
- 17F Porter Tunnel to Junction, West Branch

**Mojave Division**

- 18A Junction, West Branch through Alamo Powerplant
- 19 Alamo Powerplant to Fairmont
- 19C Buttes Junction through Buttes Reservoir
- 20A Fairmont through 70th Street West
- 20B 70th Street West to Palmdale
- 21 Palmdale to Littlerock Creek
- 22A Littlerock Creek to Pearblossom Pumping Plant
- 22B Pearblossom Pumping Plant to West Fork Mojave River
- 23 West Fork Mojave River to Silverwood Lake (excluding Mojave Siphon Powerplant)
- 23C Mojave Siphon Powerplant
- 24 Cedar Springs Dam and Silverwood Lake

**Santa Ana Division**

- 25 Silverwood Lake to South Portal, San Bernardino Tunnel
- 26A South Portal, San Bernardino Tunnel through Devil Canyon Powerplant and Second Afterbay
- 28G Devil Canyon Powerplant and Second Afterbay to Barton Road
- 28H Barton Road to Lake Perris
- 28J Perris Dam and Lake Perris

**East Branch Extension**

- 1 Devil Canyon Powerplant to Junction, Foothill Pipeline near Cone Camp Road
- 2A Junction, Foothill Pipeline near Cone Camp Road to Greenspot Pump Station
- 2B Greenspot Pump Station to Morton Canyon Valve Vault
- 2C Morton Canyon Valve Vault to Crafton Hills Pump Station
- 2D Junction, Foothill Pipeline Near Cone Camp Road to Citrus Pump Station
- 3A Crafton Hills Pump Station to Crafton Hills Reservoir
- 3B Crafton Hills Reservoir to Carter Street Valve Vault
- 4A Garden Air Creek to Cherry Valley Pump Station
- 4B Cherry Valley Pump Station to Terminus at Noble Creek

**West Branch, California Aqueduct**

- 29A Junction, California Aqueduct through Oso Pumping Plant
- 29F Oso Pumping Plant through Quail Embankment
- 29G Quail Embankment through Warne Powerplant
- 29H Pyramid Dam and Lake
- 29J Pyramid Lake through Castaic Powerplant
- 30 Castaic Dam and Lake

**Table 1 Summary of Permanent Aqueduct Capacity Transfers**

Contractor		Capacity Transfer		
Seller	Buyer	Amount (acre-feet)	Effective Year	Transfer Description
<b>Transfers under Monterey Amendment</b>				
Kern	Mojave	25,000	1998	Purchased capacity upstream of Reach 31A
Kern	Castaic Lake	41,000	2000	Purchased capacity upstream of Reach 16A
Kern	Palmdale	4,000	2000	Purchased capacity upstream of Reach 11B
Kern	Alameda-Zone 7	7,000	2000	Purchased capacity upstream of Reach 10A
Kern	Alameda-Zone 7	15,000	2000	Purchased capacity upstream of Reach 10A
Kern	Alameda-Zone 7	10,000	2001	Purchased capacity upstream of Reach 11B
Kern	Solano	5,756	2001	Purchased capacity upstream of Reach 11B and Reach 31A
Kern	Napa	4,025	2001	Purchased capacity upstream of Reach 11B and Reach 31A
Kern	Alameda-Zone 7	2,219	2004	Purchased capacity upstream of Reach 11B
<i>Subtotal under Article 53</i>		<i>114,000</i>		
<b>Transfers outside of Monterey Amendment</b>				
Tulare	Dudley Ridge	3,973	2002	Purchased capacity upstream of Reach 8D
Tulare	AVEK	3,000	2002	Purchased capacity upstream of Reach 8D
Tulare	Alameda-Zone 7	400	2003	Purchased capacity upstream of Reach 8D
Tulare	Kings	5,000	2004	Purchased capacity upstream of Reach 8D
Tulare	Coachella	9,900	2004	Purchased capacity upstream of Reach 8D
Metropolitan	Coachella	88,100	2005	Purchased capacity upstream of Reach 28J
Metropolitan	Desert	11,900	2005	Purchased capacity upstream of Reach 28J
Tulare	Kings	305	2006	Purchased capacity upstream of Reach 31A
Tulare	Desert	1,750	2010	Purchased capacity upstream of Reach 17F
Tulare	Coachella	5,250	2010	Purchased capacity upstream of Reach 17F
Kern	Desert	4,000	2010	Purchased capacity upstream of Reach 17F and Reach 31A
Kern	Coachella	12,000	2010	Purchased capacity upstream of Reach 17F and Reach 31A
Dudley Ridge	Mojave	7,000	2010	Purchased capacity upstream of Reach 8D
Dudley Ridge	AVEK	1,993	2014	Purchased capacity upstream of Reach 8D
Tulare	AVEK	1,451	2014	Purchased capacity upstream of Reach 8D
Dudley Ridge	Mojave	3,000	2015	Purchased capacity upstream of Reach 8D
<i>Subtotal outside of Article 53</i>		<i>159,022</i>		

## Variable OMP&R Costs

Article 26(a) includes provisions to ensure that the variable OMP&R component of the Transportation Charge will result in a return to the State of those costs that depend on and vary with the amount of SWP water deliveries. (The minimum OMP&R component results in a return of those operating costs that do not vary with

deliveries.) Under Article 26(a) all such costs for a reach for a given year will be allocated among contractors in proportion to the actual annual use of that reach by the respective contractors.

*Table B-3* summarizes the total power costs, credits, and transmission costs for each aqueduct pumping and power recovery plant. Variable costs are as follows.

- Costs of capacity and energy used exclusive of associated power transmission and station service charges (transmission and station service costs that are independent and vary with power usage are classified as minimum OMP&R costs).
- Credits for capacity and energy produced at aqueduct power recovery plants (treated as negative costs).
- Payments for replacement of major plant machinery components having economic lives shorter than the project repayment period. (In 1997, DWR discontinued charging for a sinking fund for replacements. Replacement costs, for 1999 and thereafter, are to be paid on an annual basis as the costs are incurred.)
- Beginning in 2005, a portion of transmission expenditures that will depend on and vary with water and power usage. These costs will be included as part of the variable component.

Table B-3 excludes plant capacity and energy costs associated with surplus and unscheduled water service after May 1, 1973. Prior to that date, surplus water service was charged the same unit variable OMP&R component as allocated water service. An amendment to the water supply contracts in 1973 significantly changed the rate structure for surplus water service. Capacity and energy costs for pumping surplus and unscheduled water were allocated directly to those SWP contractors receiving surplus and unscheduled water service. A contract amendment in 1991 again revised the rate structure to provide for payment of costs through a melded power rate. These revisions to charges for surplus and unscheduled water are effective from the date of the amendments and are not applied to past charges.

An interruptible water program was established in 1994. This program, later renamed as the Article 21 program, is

based on individual annual contracts; costs for Article 21 water actually delivered are included in Table B-3.

## Water Conveyance

Tables B-4, B-5A, B-5A-Adj, B-5B, and B-6 present water conveyance quantities that form the basis for allocating costs.

*Table B-4* presents the schedules of annual allocations as set forth in Table A and Article 6(a) of each water supply contract.

*Table B-5A* shows amounts of actual and projected allocated water quantities delivered from each aqueduct reach to each contractor. Projected deliveries for years 2017 through 2035 are based on contractors' requests for future water deliveries. The quantities included in Table B-5A also include nonproject water delivered to contractors, surplus water deliveries prior to May 1, 1973, and actual Article 21 water deliveries in 1994 and thereafter.

*Table B-5A-Adj* presents a summary of accounting adjustments that result from water deliveries not originating from the Sacramento-San Joaquin Delta. The methodologies used to calculate various components are based on cumulative charges from the Delta through facilities conveying water to a specific repayment reach. When water is introduced to the SWP downstream of the Delta, contractors require an adjustment, or credit, for those facilities not used to convey the water.

*Table B-5B* presents a summary of actual and projected annual allocated water quantities for each contractor. The quantities also include amounts of nonproject water and surplus water delivered prior to May 1, 1973, and actual deliveries of Article 21 water in 1994 and thereafter.

Table B-6 summarizes the annual allocated water quantities conveyed or to be conveyed through each aqueduct pumping plant or power plant for each of the following functions.

- *Deliveries–Water Supply.* Water made available to contractors at down-aqueduct delivery structures, including certain hypothetical quantities to facilitate cost allocations, for those years when deliveries are made from net annual storage withdrawals. The net annual amounts of storage withdrawals are hypothetically added to the actual amounts conveyed from the Delta to the reservoirs, since deliveries made from storage withdrawals bear the same variable OMP&R costs per acre-foot as they would if the deliveries were actually conveyed from the Delta in that year. The hypothetical increases in the deliveries made from reservoir storage withdrawals are offset by equal credits to the minimum OMP&R costs of the respective reservoirs. Thus, the variable OMP&R components per acre-foot (Table B-17) may be applied to the total annual quantities delivered either from aqueduct reservoir storage or from the Delta.
- *Initial Fill Water.* Water required for initial filling of down-aqueduct reaches and reservoirs or for repayment of pre-consolidation water used during construction.
- *Deliveries–Recreation.* Water delivered to down-aqueduct recreation developments or used for fish and wildlife enhancement.
- *Operational Losses.* Water lost through evaporation and seepage from all down-aqueduct reaches.
- *Reservoir Storage Changes.* Water placed in down-aqueduct reservoir storage after initial filling of the reservoirs, including projected net annual storage accretions (positive values) and withdrawals (negative values) for all down-aqueduct reservoirs of the Project Transportation Facilities.

Variable OMP&R costs (Table B-12) that are allocable to storage accretions are assigned to the minimum OMP&R costs of the respective reservoirs. With the exception of Banks Pumping Plant, “Reservoir Storage Changes” also includes SWP water placed into Southern California groundwater storage from 1978 through 1982 (as positive amounts); and water withdrawn from storage and delivered to contractors in 1979, 1982, 1987, 1988, and 1989 (as negative amounts). At Banks Pumping Plant, groundwater additions and withdrawals are included in “Conservation Water.”

Table B-6 also summarizes the following two amounts under the heading *Conservation Water* (Column 25):

- (1) Net annual water amounts stored and projected to be stored in San Luis Reservoir.
- (2) Water lost and projected to be lost through evaporation and seepage from San Luis Reservoir and from the water conservation portion of the California Aqueduct.

“Conservation Water” includes initial fill water, operational losses, and net annual storage changes associated with San Luis Reservoir and the portion of the California Aqueduct that is allocated to conservation. The same allocation procedure outlined previously for Transportation Facilities also applies to water delivered from storage in Conservation Facilities, except that the hypothetical cost increases are added to the variable OMP&R cost to be reimbursed through the Transportation Charge and deducted from the minimum OMP&R costs to be reimbursed through the Delta Water Charge.

San Luis Reservoir is operated to conserve water for future delivery to downstream contractors. To account for costs associated with reservoir storage, the power and replacement costs of Banks Pumping

Plant (a joint Transportation-Conservation Facility) that are allocated to the conveyance of annual conservation water quantities are transferred to the capital costs of San Luis Reservoir (during initial fill) or to the minimum OMP&R costs of San Luis Reservoir (following initial fill).

In years of net storage withdrawal from San Luis Reservoir, a portion of the minimum OMP&R cost of the reservoir is transferred to the variable OMP&R cost of Banks Pumping Plant. That transfer is equal to the variable OMP&R cost per acre-foot of delivery through Banks Pumping Plant for that year, multiplied by the acre-feet of deliveries derived from San Luis Reservoir storage for that year. Table B-6 also includes amounts of nonproject water and surplus water delivered prior to May 1, 1973, and actual deliveries of Article 21 water in 1994 and thereafter.

## Bases for Reimbursable Costs

This section describes the methods used to derive the costs allocated by the procedures outlined in the preceding section. A diagram of the cost derivation process is shown in the upper-left quadrant of Figure B-1.

First, the capital and minimum OMP&R costs of all SWP facilities are allocated among the various project purposes in accordance with the allocation percentages in *Table 2*. Those percentages may be subject to revision in the future.

The redeterminations in this appendix involve only the SWP costs that are allocated to water supply and power generation.

## Capital Costs

Capital costs used in the redeterminations in this appendix reflect prices prevailing on December 31, 2016; future cost escalation will be reflected in subsequent bulletins.

*Table B-7* presents a reconciliation of estimated total capital costs of each Project Conservation Facility and each Project Transportation Facility. This table shows the relationship of Project Conservation and Transportation costs allocated to contractors (*Tables B-8, B-9, B-10, and B-13*) to the total SWP capital costs projected by DWR.

*Table B-8* shows costs incurred and projected to be incurred by the State in connection with each contractor's turnouts. Costs incurred by the State for both State-constructed and contractor-constructed delivery structures are paid directly by the contractors for which the structures are built. The State incurs design review and construction inspection costs in connection with contractor-constructed turnouts.

*Table B-9* lists costs and payments for excess capacity built into SWP Transportation Facilities in accordance with amendments to contracts with The Metropolitan Water District of Southern California (Metropolitan), San Gabriel Valley Municipal Water District, and Antelope Valley-East Kern Water Agency, including the following:

- additional costs incurred by the State for requested excess capacity;
- advances by SWP contractors of funds for such costs; and
- credits for advances in excess of costs which were applied to respective contractors' installments of the capital cost component of the Transportation Charge in 1981.

Under Amendment 2 of Metropolitan's contract, 809 cubic feet per second of excess capacity was originally constructed in reaches of the West Branch at Metropolitan's request. That capacity was reclassified as basic capacity of SWP Transportation Facilities under Amendment 7. Metropolitan paid \$16.3 million as a prepayment of the capital cost component of the Transportation Charge in lieu of advancing funds for the original requested capacity.

**Table 2 Project Purpose Cost Allocation Factors (percentages)<sup>a</sup>**

PROJECT FACILITIES	Water Supply and Power Generation		All Other Purposes (Nonreimbursable)	
	Capital Costs	Minimum OMP&R Costs	Capital Costs	Minimum OMP&R Costs
<b>Project Conservation Facilities</b>				
Frenchman Dam and Lake	21.5	0.0	78.5	100.0
Antelope Dam and Lake	0.0	0.0	100.0	100.0
Grizzly Valley Dam and Lake Davis	1.0	1.8	99.0	98.2
Oroville Division <sup>b</sup>	97.1	99.5	2.9	0.5
California Aqueduct, Delta to Dos Amigos Pumping Plant	96.6	96.7	3.4	3.3
Delta Facilities				
Peripheral Canal Related	86.0	86.0	14.0	14.0
Remaining of Delta Facilities	96.6	96.7	3.4	3.3
<b>Transportation Facilities</b>				
Grizzly Valley Pipeline	100.0	100.0	0.0	0.0
North Bay Aqueduct	100.0	100.0	0.0	0.0
South Bay Aqueduct				
Del Valle Dam and Lake del Valle	25.2	22.0	74.8 <sup>c</sup>	78.0 <sup>d</sup>
Remainder of South Bay Aqueduct	100.0	100.0	0.0	0.0
California Aqueduct				
Delta to Dos Amigos Pumping Plant	96.6	96.6	3.4	3.4
Dos Amigos Pumping Plant to termini (excluding Coastal Branch) <sup>e,f</sup>	94.3 / 99.6	96.9 / 99.6	5.7 / 0.4	3.1 / 0.4
Aqueduct and Plants <sup>e,f</sup>	94.3 / 99.6	96.9 / 99.6	5.7 / 0.4	3.1 / 0.4
Pyramid Dam and Lake <sup>e,f</sup>	94.3 / 96.1	96.9 / 96.1	5.7 / 3.9	3.1 / 3.9
Castaic Dam and Lake <sup>e,f</sup>	94.3 / 91.1	96.9 / 91.1	5.7 / 8.9	3.1 / 8.9
Silverwood Dam and Lake <sup>e,f</sup>	94.3 / 85.3	96.9 / 85.3	5.7 / 14.7	3.1 / 14.7
Perris Dam and Lake <sup>e,f</sup>	94.3 / 67.7	96.9 / 67.7	5.7 / 32.3	3.1 / 32.3
Coastal Branch	100.0	100.0	0.0	0.0

<sup>a</sup> Percentages indicated apply to the majority of the facilities with minor exceptions.

<sup>b</sup> Percentages indicated are applicable to the remaining costs of division after excluding costs allocated to flood control that are reimbursed by the federal government (22 percent of capital costs) and excluding specific power costs of Hyatt and Thermalito powerplants and switchyards.

<sup>c</sup> Percentage indicated consists of 48.0 percent of costs allocated to recreation and 26.8 percent to flood control.

<sup>d</sup> Percentage indicated consists of 44.9 percent of costs allocated to recreation and 33.1 percent to flood control.

<sup>e</sup> Percentage indicated is used for 2012 and previous years.

<sup>f</sup> Percentage indicated is used for 2013 and forward.

Amendment 5 to Metropolitan's contract requires that additional costs for modifications to the Santa Ana Pipeline (required for enlargement of Lake Perris) will be allocated to Metropolitan and returned to the State through payments of the Transportation Charge. The additional costs to be repaid through Metropolitan's capital cost component for the aqueduct reach from Devil Canyon Powerplant to Barton Road

total about \$6.7 million (see Bulletin 132-72, page 98).

Table B-10 presents the actual and projected annual capital costs of each aqueduct reach that will eventually be returned to the State, with interest, through contractors' payments of the capital cost component of the Transportation Charge and payment of debt service under the Devil Canyon-Castaic contracts.



## Annual Operating Costs

Annual operating costs allocable to water supply and power generation are returned to the State through the minimum OMP&R components of the Delta Water Charge and the Transportation Charge and through a portion of the revenues from energy sales. All reimbursable operating costs of Conservation Facilities are included in the minimum OMP&R component of the Delta Water Charge.

## Transportation and Devil Canyon-Castaic Contract Costs

Table B-11 shows the amounts of the actual and projected costs to be reimbursed through payments of the minimum OMP&R component of the Transportation Charge and allocated operating costs under the Devil Canyon-Castaic contract. The table includes the following seven types of operating costs incurred annually that do not vary with water quantities delivered to the contractors:

- (1) all direct labor charges for field operation and maintenance personnel, including associated indirect costs;
- (2) a distributed share of general operating costs that cannot be identified solely with one facility or aqueduct reach;
- (3) all electric power transmission and station service costs up to 2004, and electric power transmission and station service costs for 2005 and after that do not vary with power usage allocable to aqueduct pumping and recovery plants;
- (4) all costs for equipment, materials, and supplies;
- (5) portions of the power and replacement costs of all pumping plants and power plants that are up-aqueduct from Devil Canyon Powerplant and Castaic Powerplant and that are allocable to the annual conveyance of water lost to evaporation and seepage from respective aqueduct reaches or placed into storage in respective reservoirs

of the Project Transportation Facilities (after initial fill);

- (6) credits, which offset those costs in (5) above, for deliveries drawn from reservoir storage; and
- (7) escalation of projected operating costs (labor only) at 4.5 percent per year for 2018 and 2019, and escalation of certain projected operating costs (labor and operating expense) at 1 percent per year for 2020–2035.

Table B-12 shows the portions of variable OMP&R costs in Table B-3 that are allocable to the water supply delivery quantities included in Table B-6 and reimbursed through payments of the variable OMP&R component of the Transportation Charge.

To derive Table B-12 costs, the following adjustments are made to Table B-3 costs.

- (1) Part of the variable OMP&R costs of each plant is allocated to recreation. The allocation to recreation is in proportion to the quantity of water conveyed through each plant each year for delivery to on-shore recreational developments. That portion of variable plant costs attributable to the initial fill of aqueduct reaches is allocated to the joint capital costs of respective down-aqueduct reaches and reservoirs.
- (2) That portion of costs attributable to evaporation and seepage is allocated to the joint minimum OMP&R costs of respective down-aqueduct reaches and reservoirs.
- (3) Adjustments are made for additions or withdrawals from storage in aqueduct reservoirs. In years when water is added to storage in aqueduct reservoirs, the cost of conveying this water into storage is charged to the minimum OMP&R costs of the corresponding reservoir. In years when storage in aqueduct reservoirs is decreased for the purpose of making deliveries, a credit

is applied to the minimum OMP&R costs of the reservoir from which the storage is released. This credit is equal to the number of acre-feet of storage reduction times the variable OMP&R unit rate for the year the storage is released. The unit rate is equal to the variable OMP&R unit rate for the year the water is taken from storage.

- (4) That portion of costs attributable to pumping water to replace evaporation and seepage losses and for additions or withdrawals from storage in San Luis Reservoir is charged to the minimum OMP&R component of the Delta Water Rate.

The remaining costs are allocated to transportation water supply and repaid by the contractors.

## Conservation Capital and Operating Costs

*Table B-13* is a summary of actual and projected capital and operating costs of the initial Project Conservation Facilities. These costs are reimbursed through payments by contractors under the Delta Water Charge, Oroville power sales, and Gianelli Pumping-Generating Plant credits. *Table B-13* also shows credits applied to the reimbursable capital costs of the initial Project Conservation Facilities in accordance with negotiated settlements concerning incurred planning costs for the period from 1952 through 1978.

## Project Water Charges

This section describes the redetermination of past and projected components of the Transportation Charge for annual revision of Tables C through G of each water supply contract. This section also describes the derivation of the unit Delta Water Rates and the Water System Revenue Bond Surcharge.

A summary of equivalent unit charges for each acre-foot of allocated water service is also included for each contractor and each aqueduct reach. A diagram of all calculations may be found on the lower half of Figure B-1.

## Transportation Charges

The accumulation of allocated costs of each aqueduct reach to each contractor is the basis for the Transportation Charge components.

*Table B-14* summarizes each contractor's share of the capital costs of the aqueduct reaches presented in *Table B-10*. Those amounts are determined by applying proportionate-use ratios set forth in *Table B-1* to the costs in *Table B-10*. The resulting allocated costs are set forth in *Table C* of the respective water supply contracts.

Prepayments of the capital cost component, required under Metropolitan's Amendment 7, are included as negative capital costs in *Table B-14* and *Table C* of Metropolitan's Statement of Charges. Solano County Water Agency, Empire West Side Irrigation District, and Castaic Lake Water Agency also prepaid capital costs (see *Table B-14* footnotes). *Table B-14* includes costs of the East Branch Extension to provide water service to San Bernardino Valley Municipal Water District and San Geronio Pass Water Agency.

Both *Table B-14* and *Table C* of the six contractors for project water service below Devil Canyon Powerplant and Castaic Powerplant include the capital costs reimbursable under the Devil Canyon-Castaic contract.

*Table B-15* summarizes capital cost components of the Transportation Charge for each contractor for each year of the project repayment period. By the year 2035, the capital cost components shown in *Table B-15* will recover the costs shown

in Table B-14, with interest at the Project Interest Rate of 4.610 percent per annum and based on the amortization schedules included in *Table 3*.

Those estimated components, subsequently adjusted for prior overpayments or underpayments, are included in Table D of the water supply contracts. Costs of excess capacity are billed separately and are not included in Table B-15.

Table B-15 includes the debt service payments due from the six contractors down-aqueduct from Devil Canyon Powerplant and Castaic Powerplant, in accordance with terms of the Devil Canyon-Castaic contract.

*Table B-16A* summarizes the minimum OMP&R components of the Transportation Charge for each year of the project repayment period. Those estimated components, subsequently adjusted for prior overpayments or underpayments, are included in Table E of the respective water supply contracts.

The total amounts included in Table B-16A are determined by applying the proportionate-use ratios in Table B-2 to the reach costs in Table B-11.

Table B-16A excludes Off-Aqueduct Power Facility charges, which are included separately in Table B-16B. Both Table B-16A and Table E include the operating costs payable under the Devil Canyon-Castaic contract for the six contractors down-aqueduct from Devil Canyon Powerplant and Castaic Powerplant.

As part of operating agreements with DWR, Kern County Water Agency was billed from 1963 through 1987 for any additional operating costs caused by early installation of units in Las Perillas and Badger Hill pumping plants by Berrenda Mesa Water Storage District (see Bulletin 132-71, page 7). Under those agreements, a portion

**Table 3 Criteria for Amortizing Capital Costs of Transportation Facilities**

Contractor	Year of Initial Payment <sup>a</sup>
Alameda County Flood Control and Water Conservation District, Zone 7	1963 <sup>b</sup>
Alameda County Water District	1963
Antelope Valley-East Kern Water Agency	1963
Castaic Lake Water Agency	1964
City of Yuba City	c
Coachella Valley Water District	1964
County of Butte	c
County of Kings	1968
Crestline-Lake Arrowhead Water Agency	1964
Desert Water Agency	1963 <sup>d</sup>
Dudley Ridge Water District	1968 <sup>e</sup>
Empire West Side Irrigation District	1968 <sup>e</sup>
Kern County Water Agency	
Agricultural Use	1968 <sup>e</sup>
Municipal and Industrial Use	1968 <sup>e</sup>
Littlerock Creek Irrigation District	1964
The Metropolitan Water District of Southern California	1963
Mojave Water Agency	1964
Napa County Flood Control and Water Conservation District	1966
Oak Flat Water District	1968
Palmdale Water District	1964
Plumas County Flood Control and Water Conservation District	1970
San Bernardino Valley Municipal Water District	1963
San Gabriel Valley Municipal Water District	1963 <sup>d</sup>
San Geronio Pass Water Agency	1963 <sup>d</sup>
San Luis Obispo County Flood Control and Water Conservation District	1964 <sup>f</sup>
Santa Barbara County Flood Control and Water Conservation District	1964
Santa Clara Valley Water District	1963
Solano County Water Agency	1973
Tulare Lake Basin Water Storage District	1968 <sup>e</sup>
Ventura County Watershed Protection District	1964

<sup>a</sup> Allocated capital costs of transportation facilities amortized in equal annual installments unless otherwise noted.

<sup>b</sup> Principal payments on each annual capital cost prior to 1971 delayed until calendar year 1972, except payments for 1963.

<sup>c</sup> For City of Yuba City and County of Butte, payments for Delta Water Charge only.

<sup>d</sup> Payment deferred for 1963 and added to 1964 payment with accrued interest.

<sup>e</sup> For Dudley Ridge Water District, Empire West Side Irrigation District, Kern County Water Agency (agricultural use), Oak Flat Water District, and Tulare Lake Basin Water Storage District, according to Article 45 of the contracts for supply of agricultural water, capital costs of transportation facilities allocated to agricultural water supply are amortized by using an equivalent unit rate per acre-foot applied to the annual allocations (Table B-4) through the project repayment period.

<sup>f</sup> For San Luis Obispo and Santa Barbara, all principal and interest payments for costs of the Coastal Stub were deferred until 1976.

of minimum OMP&R costs of Reach 31A were assigned directly to Kern, as shown in *Table 4*, with the remaining reach costs allocated by application of the proportionate-use ratios. DWR purchased the last unit, Unit No. 6, at Las Perillas and Badger Hill pumping plants in early 1997 to provide pumping capacity for deliveries to Coastal Area contractors, which began in 1997.

**Table 4 Minimum OMP&R Costs of Reach 31A Assigned Directly to Kern County Water Agency (in dollars)**

Year	Direct Charges
1969	46,511
1970	46,302
1971	140,074
1972	95,017
1973	72,454
1974	100,692
1975	127,456
1976	138,504
1977	120,753
1978	157,652
1979	121,231
1980	150,728
1981	75,866
1982	82,805
1983	90,007
1984	107,468
1985	159,406
1986	137,241
1987	127,073
1988	130,924
1989	128,468
1990	138,234
1991	139,527
1992	185,370
1993	219,334
1994	364,196
1995	272,341
1996	322,123
<b>Total</b>	<b>3,997,767</b>

As a result of the Monterey Amendment, the costs related to this settlement are to be allocated among all SWP contractors in proportion to their maximum Table A amounts. As costs are incurred, related charges will be included in the contractors' annual Statements of Charges as part of the minimum. Between 2002 and 2010, the Monterey Amendment litigation costs recovered from SWP contractors were \$15.8 million.

*Table B-16B* summarizes annual Off-Aqueduct Power Facility charges allocated to each water contractor, adjusted for prior overpayments or underpayments. Those charges are to repay all Off-Aqueduct Power costs, including bond service, deposits for reserves, operation and maintenance costs, fuel costs, taxes, and insurance.

Adopted October 1, 1979, the General Bond Resolution requires that sufficient revenues be collected each year to repay all of those costs. In addition, an amount totaling 25 percent of the annual bond service is collected each year to ensure that sufficient funds are available to cover all annual costs. Any revenues collected and not needed during the year are refunded to the contractors in the next year.

*Table 5* summarizes Off-Aqueduct Power Facility charges and credits related to deliveries for 2016. The ongoing Reid Gardner Powerplant closure costs related to the Reid Gardner Powerplant contract expiration in 2013 are tracked independently from annual Reid Gardner operating costs.

*Table 6* shows projected Off-Aqueduct Power Facility charges. Defeasance of Off-Aqueduct Power facilities bonds occurred in June 2016, so no debt service charges or bond cover are included. Additionally, Reid Gardner, Unit 4 Powerplant remediation costs are projected for 2017, 2018, and 2019 and then only minor operating costs are projected post-2019.

**Table 5 Summary of 2016 Off-Aqueduct Power Facility Charges and Credits (in dollars)**

<b>Charges by Item</b>	
Reid Gardner Powerplant	248,402
Reid Gardner Closure Costs	3,709,861
Bottle Rock Powerplant	655,440
South Geysers Powerplant	241,255
<i>Subtotal</i>	<i>4,854,958</i>
<b>Credits by Item</b>	
Power Sales	0
<b>Net Total Charge</b>	<b>4,854,958</b>

**Table 6 Projected Charges for Off-Aqueduct Power Facilities (in dollars)**

<b>Year</b>	<b>Total Annual Cost</b>	<b>25 Percent Bond Cover</b>
2017	4,139,527	-
<b>2018</b>	<b>3,720,000</b>	-
2019	7,220,000	-
2020	200,000	-
2021	200,000	-
2022	200,000	-
2023	200,000	-
2024	200,000	-
2025	200,000	-
2026	200,000	-
2027	200,000	-
2028	200,000	-
2029	200,000	-
2030	200,000	-
2031	200,000	-
2032	200,000	-
2033	200,000	-
2034	200,000	-
2035	200,000	-

Annual Off-Aqueduct Power Facility charges are allocated among contractors in proportion to the electrical energy required to pump allocated water for the year. The initial allocation for the Statements of Charges is based on estimates of energy to pump requested allocated water deliveries, based on a 60-percent allocation.

An interim adjustment in the allocation of Off-Aqueduct Power costs may be made in May of each year, based on updated cost estimates and April revisions in water delivery schedules. An additional adjustment is made the following year based on actual water deliveries and actual costs for the year.

The energy required to pump each contractor's water is calculated using the kilowatt-hour per acre-foot factors shown in *Table 7* for the pumping plants upstream from the delivery turnouts. The amounts shown include transmission losses.

*Table B-17* presents a summary of actual and projected total variable OMP&R costs for each acre-foot conveyed through each aqueduct pumping plant and power plant for each year of the project. The following provisions are for calculating the variable OMP&R component of the Transportation Charge.

- An annual charge per acre-foot of projected water deliveries to all contractors served from or through each reach is determined so the projected variable OMP&R costs to be incurred for each reach will be returned to the State.
- The total annual variable OMP&R component for any contractor for a given reach is obtained by multiplying the unit charge associated with that reach by the quantity of water actually delivered from or through the reach to the contractor.

The data summarized in *Table B-17* are derived by dividing the costs shown in *Table B-3* by the water quantities shown in

**Table 7 Kilowatt-Hour per Acre-Foot Factors for Allocating Off-Aqueduct Power Facility Costs**

Pumping Plant	kWh per acre-foot <sup>a</sup>	
	At Plant	Cumulative from Delta
Barker Slough	223	223
Cordelia-Benicia	434	657
Cordelia-Vallejo	178	401
Cordelia-Napa	563	786
Banks (Delta)	296	296
South Bay (including Del Valle)	869	1,165
Dos Amigos	138	434
Buena Vista	242	676
Teerink	295	971
Chrisman	639	1,610
Edmonston	2,236	3,846
Pearblossom	703	4,549
Greenspot	871	5,420
Crafton Hills	1,087	6,507
Cherry Valley	224	6,731
Oso	280	4,126
Las Perillas	77	511
Badger Hill	200	711
Devil's Den	705	1,416
Bluestone	705	2,121
Polonio Pass	705	2,826

<sup>a</sup>Includes transmission losses.

Table B-6. However, certain costs included in Table B-3 for extra peaking service, which would otherwise constitute variable OMP&R costs, are assigned directly to contractors requesting this type of service (see Bulletin 132-71, page 21, and Water Service Contractors Council Memo No. 593, July 10, 1970). Those costs are excluded from the unit charges shown in Table B-17. Peaking charges based on additional capacity ceased in 1983. Since 1984, costs are based on power market energy rates. The amounts of extra peaking charges for additional power costs are shown in *Tables 8 and 9*.

Unit rates shown in Table B-17 constitute the rates for the pumping plants and

power plants listed. The cumulative rates constitute the total rates, cumulative from the Sacramento-San Joaquin Delta, and are applicable to deliveries from or downstream of the pumping plants and power plants. Extra peaking service costs are excluded.

*Table B-18* shows the variable OMP&R components of the Transportation Charge for each contractor for each year of the project repayment period. *Table B-18* is developed from the costs per acre-foot included in *Table B-17* and the delivery quantities for each contractor from each reach as indicated in *Table B-5A* and *Table B-5A-Adj*, plus any costs for extra peaking service. Those estimated components, subsequently adjusted for prior overpayments or underpayments, are included in *Table F* of the respective water supply contracts.

*Table B-19* summarizes the annual Transportation Charges for each contractor (the sum of the corresponding amounts included in *Tables B-15, B-16A, B-16B, and B-18*). Those estimated payments, subsequently adjusted for prior overpayments or underpayments, are set forth in *Table G* of the respective water supply contracts.

In accordance with provisions of the Devil Canyon-Castaic contract, *Table B-19* and *Table G* include amounts of debt service and operating cost payments due from the six contractors located down-aqueduct from Devil Canyon and Castaic powerplants.

## Delta Water Charges

*Table B-20A* presents the calculation of the Delta Water Rate for the initial Conservation Facilities applicable in 2018 in accordance with the amended Article 22(e) and 22(g) of all 29 water supply contracts. The Delta Water Rate was calculated at a Project Interest Rate of 4.610 percent, based on Conservation Facility costs shown in *Table B-13*. That Delta Water Rate is used

to compute projected Delta Water Charges under Article 53(i) for the contractors who have executed the Monterey Amendment. Included in Table B-20A is the Delta Water Rate for the two contractors who have not executed the Monterey Amendment: Plumas County Flood Control and Water Conservation District and Empire West Side Irrigation District.

*Table B-20B* shows each component of the 2018 Delta Water Rate from Table B-20A.

*Table B-21* summarizes the annual Delta Water Charge for each contractor. The projected charges in Table B-21 are developed by multiplying the total rate per acre-foot, as shown in Table B-20A, by the amount of allocated water for each contractor, as shown in Table B-4.

The projected Delta Water Charges through 2035 include the assumption of escalation of projected operating costs at 1.0 percent per year for 2020–2035.

## Water System Revenue Bond Surcharge

*Table B-22* summarizes the Water System Revenue Bond (WSRB) Surcharge to the Delta Water Charge and the transportation capital cost component for each contractor. The surcharge shown in Table B-22 includes the financing costs of the WSRB Surcharge, Series B through Series AW. This surcharge is levied according to an amendment to the water supply contracts, which was signed by all of the water supply contractors.

## Total Water Charges

*Table B-23* summarizes the total annual charges to each contractor (the sum of the Transportation Charge in Table B-19, the Delta Water Charge in Table B-21, and the WSRB Surcharge in Table B-22). The charges do not reflect past payments by contractors and are unadjusted for prior overpayments or underpayments.

## Equivalent Total Water Charges

*Table B-24* presents the Transportation Charge and Delta Water Charge in terms of the equivalent unit charge for each acre-foot of allocated water now projected for delivery to the respective contractors.

These equivalent charges would provide the same principal sum at the end of the project repayment period as annual payments to be made as part of the Delta Water Charge and Transportation Charge, plus interest at the Project Interest Rate, if applied to each acre-foot of allocated water delivered to date; all surplus water delivered prior to May 1, 1973; all Article 21 water deliveries in 1994 and thereafter; and all allocated water now projected to be delivered during the remainder of the project repayment period (Table B-5B).

The equivalent unit Delta Water Charges included in Table B-24 are greater than those presented in Table B-20A because current projections of allocated water service are less for most contractors than the amounts shown in Table A.

## Equivalent Water Costs by Reach

*Table B-25* presents a summary of the equivalent unit transportation cost of conveying allocated water through respective aqueduct reaches of the Project Transportation Facilities.

Those unit costs provide the basis of charges assessed for extra service (such as delivery of allocations down-aqueduct from a contractor's turnout) and for wheeling service to entities other than the SWP contractors.

The cumulative unit conveyance costs indicated for reaches in Table B-25 do not necessarily equal the equivalent unit Transportation Charges to contractors served from such reaches. The unit charges in Table B-24 account for the rate of water

**Table 8 Extra Peaking Charges for Additional Power, by Pumping Plant (in dollars)**

Year	Las Perillas											Total			
	Cordelia Napa	Cordelia Solano	Barker Slough	South Bay	Banks	Dos Amigos	Badger Hill	Buena Vista	Teerink	Chrisman	Edmonston		Pearblossom	Oso	
1972	0	0	0	0	0	10,579	24,700	0	0	0	0	0	0	0	35,279
1973	0	0	0	0	0	0	6,016	0	0	0	0	0	0	0	6,016
1974	0	0	0	0	0	0	7,140	0	0	0	0	0	0	0	7,140
1975	0	0	0	0	0	494	6,397	0	0	0	0	0	0	0	6,891
1976	0	0	0	0	0	0	1,981	0	0	0	0	0	0	0	1,981
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	45,145	3,680	0	0	0	0	0	0	0	48,825
1979	0	0	0	0	0	0	3,306	0	0	0	0	0	0	0	3,306
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	12,126	0	0	0	0	0	0	0	0	12,126
1982	0	0	0	0	0	89,339	0	0	0	0	0	0	0	0	89,339
1983	0	0	0	35	7,594	3,534	152	0	0	0	0	0	0	0	11,315
1984	0	0	0	2,096	84,396	38,607	7,203	11,173	3,823	3,593	0	0	0	0	150,891
1985	0	0	0	1,480	19,612	8,841	763	4,488	4,412	8,929	28,353	0	0	0	76,878
1986	0	0	0	0	1,864	863	0	291	354	766	2,683	0	0	0	6,821
1987	0	0	0	604	17,129	7,838	835	2,295	1,806	3,460	11,058	0	0	0	45,025
1988	639	39	287	894	43,475	20,082	2,213	5,792	4,367	8,272	25,886	0	0	0	111,946
1989	2,491	566	1,483	70	40,251	18,642	1,935	3,401	1,531	2,058	3,793	0	0	0	76,221
1990	45	0	18	343	19,524	9,044	0	150	145	314	643	0	0	0	30,226
1991	903	0	281	0	21	8	0	15	17	39	139	41	0	0	1,464
1992	208	117	203	0	7,070	2,502	0	182	190	435	0	0	0	0	10,907
1993	0	681	889	4,483	123,080	54,741	0	8,898	5,458	10,900	35,068	11,139	0	0	255,337
1994	0	366	393	679	6,566	2,795	454	1,083	155	357	1,121	0	132	0	14,101
1995	0	0	0	1,717	24,464	9,422	27	1,865	3,475	782	1,104	400	0	0	43,256
1996	4	0	1	1,983	10,031	4,976	0	391	432	1,015	3,404	1,160	0	0	23,397
1997	0	1,780	2,152	3,107	337,357	165,774	1,753	34,604	12,296	15,910	21,028	0	0	0	595,761
1998	0	0	0	20,966	235,693	106,251	2,354	697	848	1,836	6,426	0	0	0	375,071
1999	0	0	0	0	63,196	26,235	0	3,394	4,136	8,959	31,350	7,740	0	0	145,010
2000-															
2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4,290</b>	<b>3,549</b>	<b>5,707</b>	<b>38,457</b>	<b>1,041,323</b>	<b>637,838</b>	<b>70,909</b>	<b>78,719</b>	<b>43,445</b>	<b>67,625</b>	<b>172,056</b>	<b>20,480</b>	<b>132</b>	<b>0</b>	<b>2,184,530</b>



**Table 9 Extra Peaking Charges for Additional Power, by Contractor (in dollars)**

Year	Alameda-		Alameda- County	Santa Clara	Dudley Ridge	Empire	Kern	Kings	Oak Flat	Tulare	AVEK	Castaic		Desert	Littlerock	Palmdale	San Gabriel	Total
	Napa	Solano										Lake	Coachella					
1972	0	0	0	0	0	0	35,269	0	0	10	0	0	0	0	0	0	0	35,279
1973	0	0	0	0	0	0	6,016	0	0	0	0	0	0	0	0	0	0	6,016
1974	0	0	0	0	0	0	7,140	0	0	0	0	0	0	0	0	0	0	7,140
1975	0	0	0	0	0	0	6,891	0	0	0	0	0	0	0	0	0	0	6,891
1976	0	0	0	0	0	0	1,981	0	0	0	0	0	0	0	0	0	0	1,981
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	2,035	0	44,484	42	0	0	2,264	0	0	0	0	0	0	48,825
1979	0	0	0	0	0	0	2,821	0	0	0	0	485	0	0	0	0	0	3,306
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	11,951	0	0	0	0	0	0	0	175	0	0	12,126
1982	0	0	0	0	2,173	0	80,945	0	0	0	4,671	1,128	0	0	0	0	422	89,339
1983	0	0	0	48	9,511	0	0	1,365	0	0	0	391	0	0	0	0	0	11,315
1984	0	0	0	2,874	0	0	144,021	281	809	0	0	2,906	0	0	0	0	0	150,891
1985	0	0	2,029	0	0	64	25,664	0	98	0	48,767	256	0	0	0	0	0	76,878
1986	0	0	0	0	0	0	0	0	13	2,194	4,614	0	0	0	0	0	0	6,821
1987	0	0	229	0	313	84	24,141	0	95	0	18,207	545	0	0	812	0	0	45,025
1988	892	73	665	561	1,853	1,404	58,905	0	72	2,368	44,526	627	0	0	0	0	0	111,946
1989	3,478	1,062	96	0	13	403	55,085	0	239	8,278	0	1,043	0	0	1,035	5,489	0	76,221
1990	63	0	470	0	0	0	28,587	0	0	0	0	0	0	0	81	1,025	0	30,226
1991	1,184	0	0	0	0	0	0	0	0	0	0	0	0	0	280	0	0	1,464
1992	271	257	0	0	0	49	10,109	221	0	0	0	0	0	0	0	0	0	10,907
1993	0	1,570	6,122	0	0	3,757	97,812	504	0	74,577	0	0	24,983	41,156	0	4,856	0	255,337
1994	0	759	896	0	0	7	9,933	0	0	0	0	2,450	0	0	56	0	0	14,101
1995	0	0	2,353	0	10,197	0	28,085	310	0	0	0	27	0	0	0	2,284	0	43,256
1996	5	0	81	2,612	334	205	4,552	969	0	7,809	0	0	0	0	0	3,598	3,232	23,397
1997	0	3,932	3,999	0	6,190	0	546,733	0	40	0	0	0	0	0	0	34,867	0	595,761
1998	0	0	19,666	8,442	22,631	1	312,626	0	651	0	0	0	0	0	0	11,054	0	375,071
1999	0	0	0	0	0	0	76,425	0	0	6,922	0	0	0	0	0	11,576	50,087	145,010
2000- 2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>5,893</b>	<b>7,653</b>	<b>34,577</b>	<b>13,644</b>	<b>55,250</b>	<b>5,974</b>	<b>1,620,176</b>	<b>3,692</b>	<b>2,017</b>	<b>102,158</b>	<b>123,049</b>	<b>9,858</b>	<b>24,983</b>	<b>41,156</b>	<b>2,439</b>	<b>74,749</b>	<b>53,741</b>	<b>2,184,530</b>

demand buildup and cost allocation factors of the individual contractors; however, the unit costs included in Table B-25 reflect the effect of melding the respective buildups and allocation criteria of all contractors whose allocations are conveyed through a given reach. Table B-25 also includes surplus water delivered prior to May 1, 1973, and Article 21 water deliveries in 1994 and thereafter.

### East Branch Enlargement Charges

*Table B-26* reflects DWR's projection of annual capital costs of the East Branch Enlargement for each aqueduct reach. These projections will be redetermined in future bulletins to include the following:

- a reallocation of costs of constructing the present East Branch facilities between Alamo Powerplant and Silverwood Lake;
- a reallocation of costs of Silverwood Lake to reflect additional use as a result of East Branch Enlargement operation;
- a reallocation of costs of San Bernardino Tunnel to reflect redistribution of flow capacities necessary for the East Branch Enlargement facilities; and
- actual enlargement construction costs.

These costs will be recovered with interest from the seven Southern California SWP contractors participating in the enlargement, in accordance with their amended water supply contracts (see *Table 10*).

*Table B-27* lists the projected minimum OMP&R costs for each reach of the enlargement to be repaid by the seven East Branch Enlargement participating contractors. Currently, this table includes only minimum OMP&R costs attributable to the East Branch Enlargement. In accordance with Article 49(e)(1), the contractors participating in the East Branch Enlargement will also share in the remaining minimum OMP&R costs of the affected reaches, in accordance with a formula

developed by DWR in consultation with the affected contractors.

*Table B-28* shows each participating contractor's share of the estimated capital costs of the East Branch Enlargement shown in *Table B-26*.

*Table B-29* shows the amounts of the annual capital cost components of the East Branch Enlargement Transportation Charge for each participating contractor. This component consists of each contractor's allocated share of debt service on bonds sold to finance the enlargement.

*Table B-30* shows the minimum OMP&R components of the East Branch Enlargement Transportation Charge for each participating contractor for each year of the project repayment period. The amounts shown in *Table B-30* will recover the minimum OMP&R costs shown in *Table B-27*.

*Table B-31* shows the annual East Branch Enlargement Transportation Charge for each participating contractor (the sum of the corresponding amounts included in *Tables B-29* and *B-30*).

### East Branch Extension Charges

The East Branch Extension charges recover associated costs for East Branch Extension facilities beginning at Devil Canyon Powerplant Afterbay and extending to the terminus at Noble Creek in the vicinity of Beaumont, Riverside County. These costs, separated into 3 phases: Phase 1 Original, Phase 1 Improvements, and Phase 2, will be recovered from two contractors—San Bernardino Valley Municipal Water District and San Geronio Pass Water Agency—in accordance with their amended water supply contracts. The factors for distributing minimum costs are shown in *Table 11*. *Table 12* shows the capital factors and the corresponding debt service for each of the phases in 2018.

**Table 10 Determination of Factors for Distributing Capital and Minimum OMP&R Costs of East Branch Enlargement Facilities among Participating Contractors**

Reach Number	Description
18A	Junction, West Branch, California Aqueduct through Alamo Powerplant
19	Alamo Powerplant to Fairmont
20A	Fairmont through 70th Street West
20B	70th Street West to Palmdale
21	Palmdale to Littlerock Creek
22A	Littlerock Creek to Pearblossom Pumping Plant
22B	Pearblossom Pumping Plant to West Fork Mojave River
23B	West Fork Mojave River to Silverwood Lake (excluding Mojave Siphon Powerplant facilities)
23C	Mojave Siphon Powerplant facilities
24	Cedar Springs Dam and Silverwood Lake
25	Silverwood Lake to South Portal, San Bernardino Tunnel
26A	South Portal, San Bernardino Tunnel through Devil Canyon Powerplant and Second Afterbay
26B	Devil Canyon Powerplant Bypass

**Share of Enlargement Capacity (cubic feet per second)**

Reach Number	AVEK	Coachella	Desert	Mojave	Palmdale	San Bernardino	Metropolitan	Total
18A		151	13	136	6		1,200	1,506
19		151	13	136	6		1,200	1,506
20A	35	151	13	136	6		1,200	1,541
20B	35	151	13	136	6		1,200	1,541
21	35	151	13	136			1,200	1,535
22A	35	151	13	136			1,200	1,535
22B		151	13	136			1,200	1,500
23B		184	67	212			1,200	1,663
23C		184	67				1,200	1,451
24		190	78				1,200	1,468
25		193	83			63	1,200	1,539
26A		193	83			63	1,200	1,539
26B							300	300

**Factors for Distributing Capital and Minimum OMP&R Costs of East Branch Enlargement Facilities (flow ratios)**

Reach Number	AVEK	Coachella	Desert	Mojave	Palmdale	San Bernardino	Metropolitan	Total
18A	0.00000000	0.10026560	0.00863214	0.09030544	0.00398406	0.00000000	0.79681276	1.00000000
19	0.00000000	0.10026560	0.00863214	0.09030544	0.00398406	0.00000000	0.79681276	1.00000000
20A	0.02271252	0.09798832	0.00843608	0.08825438	0.00389358	0.00000000	0.77871512	1.00000000
20B	0.02271252	0.09798832	0.00843608	0.08825438	0.00389358	0.00000000	0.77871512	1.00000000
21	0.02280130	0.09837134	0.00846906	0.08859935	0.00000000	0.00000000	0.78175895	1.00000000
22A	0.02280130	0.09837134	0.00846906	0.08859935	0.00000000	0.00000000	0.78175895	1.00000000
22B	0.00000000	0.10066667	0.00866667	0.09066667	0.00000000	0.00000000	0.79999999	1.00000000
23B	0.00000000	0.11064342	0.04028863	0.12748046	0.00000000	0.00000000	0.72158749	1.00000000
23C	0.00000000	0.12680910	0.04617505	0.00000000	0.00000000	0.00000000	0.82701585	1.00000000
24	0.00000000	0.12942779	0.05313351	0.00000000	0.00000000	0.00000000	0.81743870	1.00000000
25	0.00000000	0.12540611	0.05393112	0.00000000	0.00000000	0.04093567	0.77972710	1.00000000
26A	0.00000000	0.12540611	0.05393112	0.00000000	0.00000000	0.04093567	0.77972710	1.00000000
26B	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	1.00000000	1.00000000

**Table 11 Factors for Distributing Minimum OMP&R Costs of the East Branch Extension Facilities**

<b>For Calendar Year 2012 and Previous Years</b>				
<b>Reach Number</b>	<b>Reach Description</b>	<b>San Bernardino</b>	<b>San Gorgonio</b>	<b>Total</b>
1	Devil Canyon Powerplant to Junction, Foothill Pipeline near Cone Camp Road	0.557330	0.442670	1.000000
2A	Junction Foothill Pipeline near Cone Camp Road to Greenspot Pump Station	0.557330	0.442670	1.000000
2B	Greenspot Pump Station to Morton Canyon Valve Vault	0.777778	0.222222	1.000000
2C	Morton Canyon Valve Vault to Crafton Hills Pump Station	0.777778	0.222222	1.000000
2D	Junction, Foothill Pipeline Near Cone Camp Road to Citrus Pump Station	0.777778	0.222222	1.000000
3A	Crafton Hills Pump Station to Crafton Hills Reservoir	0.557330	0.442670	1.000000
3B	Crafton Hills Reservoir to Carter Street Valve Vault	0.557330	0.442670	1.000000
4A	Garden Air Creek to Cherry Valley Pump Station		1.000000	1.000000
4B	Cherry Valley Pump Station to Terminus at Noble Creek		1.000000	1.000000

<b>For Calendar Year 2013 and Forward</b>				
<b>Reach Number</b>	<b>Reach Description</b>	<b>San Bernardino</b>	<b>San Gorgonio</b>	<b>Total</b>
1	Devil Canyon Powerplant to Junction, Foothill Pipeline near Cone Camp Road	0.81674544	0.18325456	1.000000
2A	Junction Foothill Pipeline near Cone Camp Road to Greenspot Pump Station	0.85193106	0.14806894	1.000000
2B	Greenspot Pump Station to Morton Canyon Valve Vault	0.77144744	0.22855256	1.000000
2C	Morton Canyon Valve Vault to Crafton Hills Pump Station	0.77144744	0.22855256	1.000000
2D	Junction, Foothill Pipeline Near Cone Camp Road to Citrus Pump Station	0.76227575	0.23772425	1.000000
3A	Crafton Hills Pump Station to Crafton Hills Reservoir	0.60766673	0.39233327	1.000000
3B	Crafton Hills Reservoir to Carter Street Valve Vault	0.58333333	0.41666667	1.000000
4A	Garden Air Creek to Cherry Valley Pump Station		1.000000	1.000000
4B	Cherry Valley Pump Station to Terminus at Noble Creek		1.000000	1.000000

## Short-term Agreements

DWR and the water supply contractors execute short-term agreements that affect the contractors' charges.

## Municipal Water Quality Investigations

DWR executed a 5-year agreement in 1997 with 16 municipal and industrial contractors, who agreed to pay for allocated shares of DWR's Municipal Water Quality Investigations costs. Additional amendments

were executed in 2002, 2006, 2008, 2010, 2014, and 2017 to extend the program. The Municipal Water Quality Investigations charges under this agreement are included in the transportation minimum OMP&R components shown in Table B-16A.

## Feasibility Study

Nine contractors executed a short-term agreement (1997 and 1998) to participate in the feasibility study for the American Basin conjunctive-use program. Feasibility study costs are included in Table B-16A.

**Table 12 East Branch Extension Facilities Debt Service for 2018**

<b>Contractor</b>	<b>Share of Participation (percent)</b>	<b>Total Debt Service Charge (in dollars)</b>
<b>Phase 1 Original</b>		
San Bernardino	45.8417	<b>4,775,849</b>
San Gorgonio	54.1583	<b>5,642,282</b>
<i>Subtotal</i>	<i>100.0000</i>	<b>10,418,131</b>
<b>Phase 1 Improvements</b>		
San Bernardino	63.3410	<b>3,645,320</b>
San Gorgonio	36.6590	<b>2,109,752</b>
<i>Subtotal</i>	<i>100.0000</i>	<b>5,755,072</b>
<b>Phase 2</b>		
San Bernardino	64.4210	<b>11,076,029</b>
San Gorgonio	35.5790	<b>6,117,166</b>
<i>Subtotal</i>	<i>100.0000</i>	<b>17,193,195</b>
<b>Total</b>		<b>33,366,398</b>

## Delta Programs

Contractors have agreed to participate in several Delta improvement programs that started in 2007 and that will possibly extend into the future.

The first agreement pertains to the Bay Delta Conservation Plan (BDCP) which was agreed to in the Memorandum of Agreement (MOA) for Supplemental Funding for Certain Ecosystem Actions and Support for Implementation of Near-Term Water Supply, Water Quality, Ecosystem, and Levee Actions. The BDCP comprises two elements: fishery costs and consultation costs. These costs were added to the contractors' transportation minimum component for bill years 2007 through 2012.

The second agreement pertains to the non-BDCP costs of the MOA, comprising the Delta Vision and pelagic organism decline research costs. These costs were added to the contractors' conservation minimum component for bill years 2007 and 2008.

The third set of agreements pertains to the Delta Habitat Conservation and Conveyance Program (DHCCP). The agreements are between DWR and 20 participating SWP contractors to provide 50 percent of the funding for the preliminary planning phase of an improved Delta water conveyance facility. (The remaining 50 percent is provided by the Bureau of Reclamation.) This program will assess potential habitat restoration and water conveyance options in the Delta. For bill years 2008 through 2011, nearly \$70 million in charges associated with the DHCCP were billed directly to the 20 participating SWP contractors as a separate line item in the Statements of Charges and are not reflected in the tables in this appendix.

A fourth set of agreements pertains to both DHCCP and BDCP. For bill years 2012 and 2013, an Agreement for Supplemental Funding for the Costs of Environmental Analysis, Planning and Design of Delta Conservation Measures, Including Delta Conveyance Options, was executed in 2012 between DWR and 16 participating SWP contractors to provide 50 percent of the project funding. In 2012, \$22 million was billed and in 2013, \$28 million was billed directly to the 16 participating contractors as a separate line item in the Statements of Charges.

During 2013, SWP water supply contractors agreed to participate in the 2013 San Joaquin River Flow Augmentation Program. The costs of the \$4 million program were recovered in the 2014 Statements of Charges.

During 2015 and 2016, the SWP water supply contractors requested DWR to enter into agreements for San Joaquin River flow release purchases with Oakdale Irrigation District and South San Joaquin Irrigation District. The 2015 purchases of \$5.75 million and the 2016 purchases of \$13.75 million (\$2 million invoiced in 2017) were included in the 2017 and 2018 Statements of Charges.

**TABLE B-1 Factors for Distributing Reach Capital Costs Among Contractors<sup>a</sup>**

Reach No.	Reach Description	NORTH BAY AREA		SOUTH BAY AREA				Total
		Napa	Solano	Alameda-Zone 7	Alameda County	Santa Clara	Future Contractor South Bay	
<b>NORTH BAY AQUEDUCT</b>								
1	Barker Slough through Fairfield/Vacaville Turnout	0.29667896	0.70332104					1.00000000
2	Fairfield/Vacaville Turnout to Cordelia Forebay	0.38414552	0.61585448					1.00000000
3A	Cordelia Forebay through Benicia and Vallejo Turnouts		1.00000000					1.00000000
3B	Cordelia Forebay through Napa Turnout Reservoir	1.00000000						1.00000000
<b>SOUTH BAY AQUEDUCT</b>								
1	Bethany Reservoir through Altamont Turnout			0.22599612	0.20663021	0.49237700	0.07499667	1.00000000
2	Altamont Turnout through Patterson Reservoir			0.22599658	0.20663059	0.49237783	0.07499500	1.00000000
4	Patterson Reservoir to Del Valle Junction			0.19504795	0.21450017	0.51113249	0.07931939	1.00000000
5	Del Valle Junction through Lake del Valle			0.14436367	0.12972254	0.33715573	0.38875806	1.00000000
6	Del Valle Junction through South Livermore Turnout			0.14599918	0.21144710	0.50574745	0.13680627	1.00000000
7	South Livermore Turnout through Vallecitos Turnout				0.25176680	0.60218448	0.14604872	1.00000000
8	Vallecitos Turnout through Alameda-Bayside Turnout				0.27934645	0.72065355		1.00000000
9	Alameda-Bayside Turnout through Santa Clara Terminal Facilities					1.00000000		1.00000000
<b>CALIFORNIA AQUEDUCT</b>								
1	Delta through Bethany Reservoir			0.00954737	0.00872917	0.02080118	0.00342507	N/A

Reach No.	Reach Description	CENTRAL COASTAL AREA			SOUTHERN CALIFORNIA AREA			
		San Luis Obispo	Santa Barbara	AVEK	Castaic Lake	Coachella	Crestline	Desert
<b>CALIFORNIA AQUEDUCT</b>								
1	Delta through Bethany Reservoir	0.00533010	0.00983337	0.02939084	0.01285827	0.00528315	0.00133612	0.00871300
2A	Bethany Reservoir to Orestimba Creek	0.00557213	0.01027988	0.03072531	0.01343201	0.00552068	0.00139620	0.00910474
2B	Orestimba Creek to O'Neill Forebay	0.00557824	0.01029119	0.03075915	0.01345351	0.00552831	0.00139814	0.00911733
3	O'Neill Forebay to Dos Amigos Pumping Plant	0.00557719	0.01028923	0.03075332	0.01345294	0.00552772	0.00139798	0.00911637
4	Dos Amigos Pumping Plant to Panoche Creek	0.00557607	0.01028717	0.03074719	0.01345233	0.00552710	0.00139784	0.00911536
5	Panoche Creek to Five Points	0.00557467	0.01028462	0.03073954	0.01345157	0.00552633	0.00139763	0.00911409
6	Five Points to Arroyo Pasajero	0.00557257	0.01028074	0.03072799	0.01345042	0.00552517	0.00139733	0.00911216
7	Arroyo Pasajero to Kettleman City	0.00557189	0.01027949	0.03072428	0.01345006	0.00552480	0.00139723	0.00911154
8C	Kettleman City through Milham Avenue	0.00557103	0.01027792	0.03071961	0.01344960	0.00552432	0.00139712	0.00911076
8D	Milham Avenue through Avenal Gap	0.00568611	0.01049020	0.03135418	0.01373353	0.00563986	0.00142632	0.00930130
9	Avenal Gap through Twisselman Road			0.03426625	0.01356094	0.00616886	0.00156011	0.01017373
10A	Twisselman Road through Lost Hills			0.03481391	0.01377767	0.00626946	0.00158556	0.01033963
11B	Lost Hills to 7th Standard Road			0.03835043	0.01517717	0.00691699	0.00174933	0.01140749
12D	7th Standard Road through Elk Hills Road			0.04031661	0.01595523	0.00727790	0.00184059	0.01200265
12E	Elk Hills Road through Tupman Road			0.04037074	0.01597665	0.00728878	0.00184332	0.01202059
13B	Tupman Road to Buena Vista Pumping Plant			0.04379882	0.01733322	0.00791595	0.00200194	0.01305492
14A	Buena Vista Pumping Plant through Santiago Creek			0.04599268	0.01820137	0.00831952	0.00210399	0.01372049
14B	Santiago Creek through Old River Road			0.04682530	0.01853084	0.00847388	0.00214303	0.01397505
14C	Old River Road to Wheeler Ridge Pumping Plant			0.04825217	0.01909545	0.00873768	0.00220973	0.01441013
15A	Wheeler Ridge Pumping Plant to Chrisman Pumping Plant			0.04905609	0.01941356	0.00888679	0.00224744	0.01465600
16A	Chrisman Pumping Plant to Edmonston Pumping Plant			0.05089794	0.02014241	0.00922722	0.00233351	0.01521742
17E	Edmonston Pumping Plant to Porter Tunnel			0.05329388	0.02109050	0.00967107	0.00244575	0.01594937
17F	Porter Tunnel to Junction, West Branch, California Aqueduct			0.05340725	0.02113537	0.00969176	0.00245098	0.01598349
18A	Junction, West Branch, California Aqueduct through Alamo Powerplant			0.13238112		0.02399391	0.00606795	0.03957043
19	Alamo Powerplant to Fairmont			0.13237766		0.02399451	0.00606811	0.03957141
19C	Buttes Junction through Buttes Reservoir			1.00000000				
20A	Fairmont through 70th Street West			0.06847931		0.02576425	0.00651573	0.04249001
20B	70th Street West to Palmdale			0.02276024		0.02702917	0.00683555	0.04457607
21	Palmdale to Littlerock Creek			0.02318952		0.02754716	0.00696651	0.04543034
22A	Littlerock Creek to Pearblossom Pumping Plant			0.01181870		0.02794143	0.00706621	0.04608043
22B	Pearblossom Pumping Plant to West Fork Mojave River					0.02827552	0.00715074	0.04663153
23	West Fork Mojave River to Silverwood Lake					0.00324449	0.00818122	0.00535117
24	Cedar Springs Dam and Silverwood Lake					0.01024605	0.01251569	0.01690478
25	Silverwood Lake to South Portal San Bernardino Tunnel							
26A	South Portal, San Bernardino Tunnel through Devil Canyon Powerplant							
28G	Devil Canyon Powerplant to Barton Road							
28H	Barton Road to Lake Perris							
28J	Perris Dam and Lake Perris							
29A	Junction, West Branch, California Aqueduct through Oso Pumping Plant				0.03544337			
29F	Oso Pumping Plant through Quail Embankment				0.03544339			
29G	Quail Embankment through Warne Powerplant				0.03544339			
29H	Pyramid Dam and Lake				0.02817144			
29J	Pyramid Lake through Castaic Powerplant				0.03544338			
30	Castaic Dam and Lake				0.02927284			
31A	Avenal Gap to Devil's Den Pumping Plant	0.10560301	0.19482503		0.07364766			
33A	Devil's Den Pumping Plant through Tank 1	0.10101221	0.89898779					
33B	Tank 1 through Chorro Valley Turnout	0.09912818	0.90087182					
34	Chorro Valley Turnout through Lopez Turnout	0.05479573	0.94520427					
35	Lopez Turnout through Guadalupe Turnout		1.00000000					

<sup>a</sup> Proportionate use factors do not reflect permanent water transfers as a result of the Monterey Amendment and after.

**TABLE B-1 Factors for Distributing Reach Capital Costs Among Contractors<sup>a</sup>**

Reach No.	SAN JOAQUIN VALLEY AREA							
	Dudley Ridge	Empire	Future Contractor San Joaquin Valley	Kern		Kings	Oak Flat	Tulare
				Municipal and Industrial	Agricultural			
<b>CALIFORNIA AQUEDUCT</b>								
1	0.01707770	0.00088678	0.00254693	0.02741768	0.30629913	0.00090695	0.00167121	0.03504975
2A	0.01781031	0.00092482	0.00266258	0.02864263	0.31945188	0.00094747	0.00174288	0.03655331
2B	0.01785838	0.00092731	0.00266550	0.02868743	0.32030556	0.00094896		0.03665201
3	0.01786337	0.00092757	0.00266499	0.02868589	0.32039254	0.00094892		0.03666225
4	0.01786863	0.00092785	0.00266446	0.02868428	0.32048398	0.00094886		0.03667303
5	0.01787517	0.00092819	0.00266380	0.02868227	0.32059816	0.00094879		0.03668649
6	0.01788508	0.00092870	0.00266279	0.02867923	0.32077093	0.00094868		0.03670685
7	0.01788826	0.00092887	0.00266246	0.02867825	0.32082633	0.00094864		0.03671338
8C	0.01789228	0.00092909	0.00266205	0.02867702	0.32089625	0.00094859		0.03672162
8D	0.01828779		0.00271703	0.02928147	0.32798200			0.01820857
9				0.03204523	0.32739538			
10A				0.03257442	0.31658608			
11B				0.03597398	0.24684668			
12D				0.03787171	0.20804762			
12E				0.03793198	0.20695175			
13B				0.01458796	0.16600071			
14A				0.00620338	0.13319181			
14B				0.00632023	0.11741558			
14C				0.00651962	0.09039633			
15A				0.00663252	0.07516317			
16A				0.00688973	0.04028829			
17E				0.00212516				
31A			0.05046240		0.57546190			

Reach No.	SOUTHERN CALIFORNIA AREA (continued)								California Aqueduct Total
	Littlerock	Mojave	Palmdale	San Bernardino	San Gabriel	San Gorgonio	Metropolitan	Ventura	
<b>CALIFORNIA AQUEDUCT</b>									
1	0.00049180	0.01101147	0.00369131	0.02362857	0.00650354	0.00398392	0.43929350	0.00429212	1.00000000
2A	0.00051413	0.01151136	0.00385891	0.02469101	0.00679699	0.00416304	0.45921072	0.00448701	1.00000000
2B	0.00051469	0.01152409	0.00386317	0.02472511	0.00680570	0.00416880	0.45973548	0.00449194	1.00000000
3	0.00051461	0.01152193	0.00386244	0.02472246	0.00680478	0.00416835	0.45965407	0.00449108	1.00000000
4	0.00051451	0.01151965	0.00386167	0.02471968	0.00680380	0.00416787	0.45956848	0.00449019	1.00000000
5	0.00051440	0.01151681	0.00386070	0.02471620	0.00680259	0.00416730	0.45946161	0.00448907	1.00000000
6	0.00051419	0.01151251	0.00385926	0.02471095	0.00680076	0.00416640	0.45929991	0.00448738	1.00000000
7	0.00051413	0.01151113	0.00385879	0.02470927	0.00680016	0.00416612	0.45924807	0.00448685	1.00000000
8C	0.00051405	0.01150938	0.00385821	0.02470716	0.00679941	0.00416576	0.45918261	0.00448616	1.00000000
8D	0.00052466	0.01174718	0.00393793	0.02522383	0.00694100	0.00425288	0.46868533	0.00457883	1.00000000
9	0.00057339	0.01283841	0.00430367	0.02758959	0.00758975	0.00465175	0.51227887	0.00500407	1.00000000
10A	0.00058254	0.01304366	0.00437246	0.02803943	0.00771262	0.00472760	0.52049091	0.00508405	1.00000000
11B	0.00064171	0.01436906	0.00481665	0.03093503	0.00850448	0.00521581	0.57349473	0.00560046	1.00000000
12D	0.00067463	0.01510596	0.00506361	0.03254889	0.00894541	0.00548790	0.60297374	0.00588755	1.00000000
12E	0.00067553	0.01512626	0.00507040	0.03259749	0.00895830	0.00549608	0.60379667	0.00589546	1.00000000
13B	0.00073290	0.01641098	0.00550099	0.03540212	0.00972547	0.00596896	0.65516902	0.00639604	1.00000000
14A	0.00076961	0.01723325	0.00577656	0.03720681	0.01021819	0.00627322	0.68807273	0.00671639	1.00000000
14B	0.00078354	0.01754538	0.00588113	0.03789703	0.01040613	0.00638960	0.70057530	0.00683798	1.00000000
14C	0.00080743	0.01808019	0.00606036	0.03907670	0.01072763	0.00658850	0.72199174	0.00704634	1.00000000
15A	0.00082089	0.01838154	0.00616135	0.03974336	0.01090913	0.00670088	0.73406357	0.00716371	1.00000000
16A	0.00085171	0.01907194	0.00639271	0.04126559	0.01132404	0.00695754	0.76170731	0.00743264	1.00000000
17E	0.00089182	0.01997003	0.00669365	0.04325018	0.01186455	0.00729213	0.79767940	0.00778251	1.00000000
17F	0.00089372	0.02001251	0.00670788	0.04334270	0.01188988	0.00730773	0.79937767	0.00779906	1.00000000
18A	0.00221525	0.04960424	0.01662680	0.10730448	0.02944860	0.01809192	0.57469530		1.00000000
19	0.00221522	0.04960300	0.01662640	0.10730707	0.02944876	0.01809230	0.57469556		1.00000000
19C									1.00000000
20A	0.00237800	0.05324853	0.01784830	0.11522152	0.03161798	0.01942666	0.61700971		1.00000000
20B	0.00249470	0.05586076	0.01872390	0.12087843	0.03316986	0.02038045	0.64729087		1.00000000
21	0.00254199	0.05692053		0.12319480	0.03380324	0.02077093	0.65963498		1.00000000
22A		0.05773082		0.12495766	0.03428605	0.02106816	0.66905054		1.00000000
22B		0.05842136		0.12645207	0.03469614	0.02132008	0.67705256		1.00000000
23				0.14467451	0.03969010	0.02439237	0.77446614		1.00000000
24				0.22243002	0.04339444	0.02843498	0.66607404		1.00000000
25				0.14947726	0.03997502	0.02520426	0.78534346		1.00000000
26A				0.14947726	0.03997502	0.02520426	0.78534346		1.00000000
28G							0.94873863		1.00000000
28H							1.00000000		1.00000000
28J							1.00000000		1.00000000
29A							0.95147783	0.01307880	1.00000000
29F							0.95147785	0.01307876	1.00000000
29G							0.95147785	0.01307876	1.00000000
29H							0.96278381	0.00904475	1.00000000
29J							0.95147787	0.01307875	1.00000000
30							0.96212388	0.00860328	1.00000000
31A									1.00000000
33A									1.00000000
33B									1.00000000
34									1.00000000
35									1.00000000

<sup>a</sup> Proportionate use factors do not reflect permanent water transfers as a result of the Monterey Amendment and after.

**TABLE B-2 Factors for Distributing Reach Minimum OMP&R Costs Among Contractors<sup>a</sup>**

Reach No.	Reach Description	NORTH BAY AREA		SOUTH BAY AREA				Total
		Napa	Solano	Alameda-Zone 7	Alameda County	Santa Clara	Future Contractor South Bay	
<b>NORTH BAY AQUEDUCT</b>								
1	Barker Slough through Fairfield/Vacaville Turnout	0.29251728	0.70748272					1.00000000
2	Fairfield/Vacaville Turnout to Cordelia Forebay	0.42000793	0.57999207					1.00000000
3A	Cordelia Forebay through Benicia and Vallejo Turnouts		1.00000000					1.00000000
3B	Cordelia Forebay through Napa Turnout Reservoir	1.00000000						1.00000000
<b>SOUTH BAY AQUEDUCT</b>								
1	Bethany Reservoir through Altamont Turnout			0.33980110	0.19515838	0.46504052	0.00000000	1.00000000
2	Altamont Turnout through Patterson Reservoir			0.33978741	0.19516252	0.46505007	0.00000000	1.00000000
4	Patterson Reservoir to Del Valle Junction			0.31610985	0.20216089	0.48172926	0.00000000	1.00000000
5	Del Valle Junction through Lake del Valle			0.53312173	0.12972254	0.33715573	0.00000000	1.00000000
6	Del Valle Junction through South Livermore Turnout			0.32478705	0.19906896	0.47614399	0.00000000	1.00000000
7	South Livermore Turnout through Vallecitos Turnout			0.14604872	0.25176680	0.60218448	0.00000000	1.00000000
8	Vallecitos Turnout through Alameda-Bayside Turnout				0.27934645	0.72065355		1.00000000
9	Alameda-Bayside Turnout through Santa Clara Terminal Facilities					1.00000000		1.00000000
<b>CALIFORNIA AQUEDUCT</b>								
1	Delta through Bethany Reservoir				0.00870518	0.02074403		N/A

Reach No.	Reach Description	CENTRAL COASTAL AREA		SOUTHERN CALIFORNIA AREA				
		San Luis Obispo	Santa Barbara	AVEK	Castaic Lake	Coachella	Crestline	Desert
<b>CALIFORNIA AQUEDUCT</b>								
1	Delta through Bethany Reservoir	0.00531721	0.00980965	0.03130358	0.02543338	0.03261213	0.00133220	0.01285646
2A	Bethany Reservoir to Orestimba Creek	0.00556969	0.01027545	0.03278434	0.02659653	0.03414259	0.00139484	0.01346045
2B	Orestimba Creek to O'Neill Forebay	0.00557578	0.01028673	0.03282389	0.02665383	0.03419149	0.00139677	0.01347932
3	O'Neill Forebay to Dos Amigos Pumping Plant	0.00557472	0.01028476	0.03281870	0.02665705	0.03418834	0.00139663	0.01347795
4	Dos Amigos Pumping Plant to Panoche Creek	0.00557360	0.01028270	0.03281323	0.02666041	0.03418504	0.00139648	0.01347652
5	Panoche Creek to Five Points	0.00557222	0.01028014	0.03280640	0.02666463	0.03418091	0.00139630	0.01347474
6	Five Points to Arroyo Pasajero	0.00557012	0.01027626	0.03279609	0.02667100	0.03417466	0.00139599	0.01347205
7	Arroyo Pasajero to Kettleman City	0.00556944	0.01027501	0.03279278	0.02667304	0.03417265	0.00139589	0.01347118
8C	Kettleman City through Milham Avenue	0.00551362	0.01017203	0.03245613	0.02634257	0.03380450	0.00138102	0.01332696
8D	Milham Avenue through Avenal Gap	0.00562578	0.01037893	0.03311929	0.02690184	0.03450165	0.00140943	0.01360147
9	Avenal Gap through Twisselman Road			0.03490917	0.02761987	0.03509927	0.00151717	0.01432230
10A	Twisselman Road through Lost Hills			0.03544917	0.02807208	0.03564408	0.00154110	0.01454684
11B	Lost Hills to 7th Standard Road			0.03880671	0.03085710	0.03902944	0.00168938	0.01593968
12D	7th Standard Road through Elk Hills Road			0.04066779	0.03241328	0.04090687	0.00177180	0.01671325
12E	Elk Hills Road through Tupman Road			0.04071899	0.03246787	0.04095940	0.00177429	0.01673594
13B	Tupman Road to Buena Vista Pumping Plant			0.04402054	0.03519674	0.04428760	0.00191991	0.01810442
14A	Buena Vista Pumping Plant through Santiago Creek			0.04611560	0.03675967	0.04640153	0.00201279	0.01897599
14B	Santiago Creek through Old River Road			0.04676624	0.03303687	0.04706094	0.00204236	0.01925135
14C	Old River Road to Wheeler Ridge Pumping Plant			0.04794869	0.03181987	0.04825630	0.00209534	0.01974685
15A	Wheeler Ridge Pumping Plant to Chrisman Pumping Plant			0.04864100	0.03227919	0.04895597	0.00212631	0.02003668
16A	Chrisman Pumping Plant to Edmonston Pumping Plant			0.05024161	0.03334119	0.05057226	0.00219758	0.02070455
17E	Edmonston Pumping Plant to Porter Tunnel			0.05223186	0.03466168	0.05258256	0.00228636	0.02153594
17F	Porter Tunnel to Junction, West Branch, California Aqueduct			0.05233552	0.03473046	0.05268698	0.00229092	0.02157880
18A	Junction, West Branch, California Aqueduct through Alamo Powerplant			0.13774725	0.11306511	0.06030356	0.00603056	0.05137695
19	Alamo Powerplant to Fairmont			0.13774370		0.11306344	0.00603069	0.05137766
19C	Buttes Junction through Buttes Reservoir			1.00000000				
20A	Fairmont through 70th Street West			0.06855702		0.12212506	0.00651522	0.05550243
20B	70th Street West to Palmdale			0.02284441		0.12811683	0.00683511	0.05822670
21	Palmdale to Littlerock Creek			0.02327543		0.13055246	0.00696606	0.05933989
22A	Littlerock Creek to Pearblossom Pumping Plant			0.01190663		0.13241285	0.00706574	0.06018798
22B	Pearblossom Pumping Plant to West Fork Mojave River			0.00195128		0.13374659	0.00713697	0.06079440
23	West Fork Mojave River to Silverwood Lake					0.12416451	0.00818135	0.02168414
24	Cedar Springs Dam and Silverwood Lake					0.02651510	0.01251569	0.01910229
25	Silverwood Lake to South Portal San Bernardino Tunnel					0.09751351		0.01317145
26A	South Portal, San Bernardino Tunnel through Devil Canyon Powerplant					0.12013473		0.01622697
28G	Devil Canyon Powerplant to Barton Road					0.30672992		0.04143095
28H	Barton Road to Lake Perris					0.32330286		0.04366951
28J	Perris Dam and Lake Perris					0.32330202		0.04366970
29A	Junction, West Branch, California Aqueduct through Oso Pumping Plant			0.00296720	0.05726734			
29F	Oso Pumping Plant through Quail Embankment			0.00296796	0.05726649			
29G	Quail Embankment through Warne Powerplant				0.05742327			
29H	Pyramid Dam and Lake				0.03349572			
29J	Pyramid Lake through Castaic Powerplant				0.05740996			
30	Castaic Dam and Lake				0.03248607			
31A	Avenal Gap to Devil's Den Pumping Plant	0.10542164	0.19449108		0.07351496	0.05400251		0.01800084
33A	Devil's Den Pumping Plant through Tank 1	0.10101221	0.89898779					
33B	Tank 1 through Chorro Valley Turnout	0.10101221	0.89898779					
34	Chorro Valley Turnout through Lopez Turnout	0.05271277	0.94728723					
35	Lopez Turnout through Guadalupe Turnout		1.00000000					

<sup>a</sup> Proportionate use factors apply to 2018 and reflect permanent capacity water transfers that have been signed as of February 1, 2017.



**TABLE B-2 Factors for Distributing Reach Minimum OMP&R Costs Among Contractors<sup>a</sup>**

Reach No.	SAN JOAQUIN VALLEY AREA										
	Napa	Solano	Alameda-Zone 7	Dudley Ridge	Empire	Future Contractor San Joaquin Valley	Kern		Kings	Oak Flat	Tulare
							Municipal and Industrial	Agricultural			
	<b>CALIFORNIA AQUEDUCT</b>										
1	0.00101482	0.00145895	0.02319903	0.01467673	0.00088461	0.00254076	0.02734568	0.27096833	0.00247145	0.00166714	0.02580275
2A	0.00106145	0.00152591	0.00868253	0.01533481	0.00092428	0.00266141	0.02862314	0.28310687	0.00258398	0.00174185	0.02695973
2B	0.00106360	0.00152905	0.00869823	0.01537617	0.00092676	0.00266432	0.02866783	0.28387747	0.00258988		0.02703241
3	0.00106370	0.00152920	0.00869838	0.01538045	0.00092702	0.00266381	0.02866629	0.28395878	0.00259028		0.02703994
4	0.00106379	0.00152934	0.00869854	0.01538495	0.00092729	0.00266328	0.02866467	0.28404425	0.00259071		0.02704786
5	0.00106390	0.00152952	0.00869876	0.01539058	0.00092763	0.00266262	0.02866263	0.28415100	0.00259125		0.02705775
6	0.00106409	0.00152980	0.00869909	0.01539909	0.00092815	0.00266161	0.02865956	0.28431251	0.00259206		0.02707272
7	0.00106415	0.00152990	0.00869920	0.01540183	0.00092832	0.00266127	0.02865857	0.28436430	0.00259232		0.02707752
8C	0.00105126	0.00151129	0.00859813	0.01519240	0.00091570	0.00263462	0.02834154	0.28048179	0.00255949		0.02670939
8D	0.00107347	0.00154326	0.00877817	0.01552187		0.00268820	0.02892910	0.28657021	0.00165698		0.00825002
9	0.00079148	0.00109219	0.00779740				0.03115978	0.29020213			
10A	0.00080441	0.00110983	0.00792269				0.03165722	0.27906723			
11B	0.00064433	0.00094350	0.00351417				0.03473359	0.21569759			
12D							0.03644652	0.18305822			
12E							0.03650093	0.18194750			
13B							0.01398402	0.14058058			
14A							0.00593078	0.10814827			
14B							0.00602009	0.09952426			
14C							0.00617876	0.07848396			
15A							0.00627144	0.06500426			
16A							0.00648410	0.03392037			
17E							0.00198506				
31A	0.00628695	0.00977801	0.02617705			0.05037550		0.36716813	0.00176551		

Reach No.	SOUTHERN CALIFORNIA AREA (continued)								California Aqueduct Total
	Littlerock	Mojave	Palmdale	San Bernardino	San Gabriel	San Geronio	Metropolitan	Ventura	
	<b>CALIFORNIA AQUEDUCT</b>								
1	0.00049038	0.02116470	0.00458381	0.02355980	0.00648455	0.00397230	0.41532271	0.00427768	1.00000000
2A	0.00051367	0.02214484	0.00480091	0.02466751	0.00679050	0.00415906	0.43501287	0.00448079	1.00000000
2B	0.00051423	0.02218483	0.00480654	0.02470151	0.00679919	0.00416478	0.43550968	0.00448571	1.00000000
3	0.00051414	0.02218522	0.00480573	0.02469885	0.00679827	0.00416433	0.43543260	0.00448486	1.00000000
4	0.00051405	0.02218564	0.00480489	0.02469606	0.00679730	0.00416387	0.43535156	0.00448397	1.00000000
5	0.00051393	0.02218616	0.00480382	0.02469256	0.00679607	0.00416328	0.43525035	0.00448285	1.00000000
6	0.00051372	0.02218693	0.00480221	0.02468729	0.00679422	0.00416240	0.43509723	0.00448115	1.00000000
7	0.00051366	0.02218719	0.00480171	0.02468559	0.00679362	0.00416212	0.43504813	0.00448061	1.00000000
8C	0.00050851	0.02192962	0.00475278	0.02442260	0.00672277	0.00411777	0.44211780	0.00443571	1.00000000
8D	0.00051885	0.02238875	0.00484976	0.02492516	0.00686055	0.00420251	0.45117880	0.00452595	1.00000000
9	0.00055796	0.02061192	0.00521674	0.02683029	0.00738240	0.00452372	0.48549902	0.00486719	1.00000000
10A	0.00056659	0.02092935	0.00529783	0.02725335	0.00749802	0.00459505	0.49310270	0.00494246	1.00000000
11B	0.00062024	0.02290463	0.00580164	0.02987521	0.00821533	0.00503710	0.54027985	0.00541051	1.00000000
12D	0.00064998	0.02399884	0.00599767	0.03133251	0.00861365	0.00528280	0.56647688	0.00566994	1.00000000
12E	0.00065079	0.02402828	0.00600523	0.03137638	0.00862529	0.00529020	0.56724183	0.00567708	1.00000000
13B	0.00070354	0.02597118	0.00649222	0.03395142	0.00933012	0.00572435	0.61359604	0.00613732	1.00000000
14A	0.00073704	0.02720257	0.00680126	0.03559402	0.00977890	0.00600130	0.64311092	0.00642936	1.00000000
14B	0.00074743	0.02758281	0.00689726	0.03611670	0.00992049	0.00608943	0.65242374	0.00652003	1.00000000
14C	0.00076634	0.02827615	0.00707171	0.03705347	0.01017549	0.00624735	0.66919487	0.00668485	1.00000000
15A	0.00077741	0.02868221	0.00717384	0.03760115	0.01032464	0.00633968	0.67900489	0.00678133	1.00000000
16A	0.00080298	0.02962205	0.00740997	0.03886148	0.01066844	0.00655218	0.70161679	0.00700445	1.00000000
17E	0.00083480	0.03079028	0.00770356	0.04043105	0.01109636	0.00681681	0.72976182	0.00728186	1.00000000
17F	0.00083646	0.03085132	0.00771884	0.04051162	0.01111844	0.00683040	0.73121394	0.00729630	1.00000000
18A	0.00220155	0.04929713	0.01652427	0.10664131	0.02926634	0.01798005	0.46986948		1.00000000
19	0.00220151	0.04929585	0.01652388	0.10664396	0.02926656	0.01798044	0.46987231		1.00000000
19C									1.00000000
20A	0.00237787	0.05324421	0.01784728	0.11521174	0.03161525	0.01942494	0.50757898		1.00000000
20B	0.00249455	0.05585607	0.01872278	0.12086783	0.03316690	0.02037859	0.53249023		1.00000000
21	0.00254183	0.05691567		0.12318381	0.03380017	0.02076901	0.54265567		1.00000000
22A		0.05772584		0.12494639	0.03428290	0.02106619	0.55040548		1.00000000
22B		0.05830722		0.12620561	0.03462835	0.02127845	0.55595113		1.00000000
23				0.14467451	0.03969010	0.02439237	0.63721302		1.00000000
24				0.22243002	0.04339445	0.02843498	0.64760747		1.00000000
25				0.11825184	0.03722720	0.01993915	0.71389685		1.00000000
26A				0.14947726	0.03997501	0.02520426	0.64898177		1.00000000
28G				0.05126136			0.60057777		1.00000000
28H							0.63302763		1.00000000
28J							0.63302828		1.00000000
29A							0.92702291	0.01274255	1.00000000
29F							0.92702302	0.01274253	1.00000000
29G							0.92979606	0.01278067	1.00000000
29H							0.95753173	0.00897255	1.00000000
29J							0.92980918	0.01278086	1.00000000
30							0.95895422	0.00855971	1.00000000
31A		0.09301782							1.00000000
33A									1.00000000
33B									1.00000000
34									1.00000000
35									1.00000000

<sup>a</sup> Proportionate use factors apply to 2018 and reflect permanent capacity water transfers that have been signed as of February 1, 2017.

**TABLE B-3 Power Costs and Credits, Transmission Costs and Annual Replacement Deposits for Each Aqueduct Pumping and Power Recovery Plant<sup>a</sup> (in dollars)**

Sheet 1 of 3

Calendar Year	NORTH BAY AQUEDUCT			SOUTH BAY AQUEDUCT	CALIFORNIA AQUEDUCT			
	Reach 1	Reach 3A	Reach 3B	Reach 1 <sup>c</sup>	Reach 1	Reach 4	Reach 14A	Reach 15A
	Barker Slough Pumping Plant	Cordelia Pumping Plant Solano	Cordelia Pumping Plant Napa <sup>b</sup>	South Bay and Del Valle Pumping Plants	Banks Pumping Plant	Dos Amigos Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	
1961	0	0	0	0	0	0	0	0
1962	0	0	0	36,771	0	0	0	0
1963	0	0	0	55,654	0	0	0	0
1964	0	0	0	73,240	0	0	0	0
1965	0	0	0	137,665	0	0	0	0
1966	0	0	0	186,064	0	0	0	0
1967	0	0	0	216,515	15,453	0	0	0
1968	0	0	6,989	336,671	452,630	202,947	0	0
1969	0	0	8,551	257,579	293,741	135,425	0	0
1970	0	0	13,598	396,358	346,215	211,197	1	0
1971	0	0	10,609	381,662	574,015	225,188	115,801	2,564
1972	0	0	14,434	598,702	933,292	492,633	198,914	68,304
1973	0	0	14,449	493,490	688,030	381,232	263,468	236,623
1974	0	0	17,473	565,575	783,562	447,772	315,939	324,966
1975	0	0	14,779	349,758	1,341,019	518,322	508,060	552,952
1976	0	0	20,856	571,361	1,638,453	641,115	712,947	713,875
1977	0	0	22,635	512,996	1,013,307	277,439	265,169	300,985
1978	0	0	21,692	586,355	2,339,502	560,759	689,236	616,104
1979	0	0	16,237	605,136	3,554,256	1,008,564	776,016	749,188
1980	0	0	19,945	523,369	2,083,336	1,129,152	1,051,629	1,047,495
1981	0	0	23,842	567,692	3,952,931	1,939,189	1,336,867	1,319,739
1982	0	0	12,157	605,780	3,082,031	1,363,705	1,200,226	1,213,660
1983	0	0	2,342	82,222	1,001,612	396,086	450,801	432,165
1984	0	0	4,822	271,543	1,856,959	976,773	823,681	770,618
1985	0	0	10,188	451,020	3,186,029	1,621,418	1,409,980	1,411,621
1986	0	0	15,501	807,984	6,601,752	2,627,407	2,405,224	2,432,322
1987	0	0	27,223	886,956	5,820,699	2,555,341	2,295,575	2,286,066
1988	17,813	0	24,020	909,300	6,365,669	2,648,986	2,628,985	2,636,224
1989	29,819	43,846	26,519	1,161,160	9,964,956	4,002,409	4,130,033	4,159,440
1990	52,210	67,109	40,775	1,834,626	10,554,762	4,541,508	5,855,196	6,099,412
1991	10,429	10,118	5,252	378,966	1,994,449	510,781	944,445	1,077,662
1992	13,319	13,070	9,406	311,251	3,385,375	1,235,571	1,366,433	1,441,966
1993	(11,941)	(8,753)	(5,392)	(158,214)	537,591	348,409	(127,617)	(104,923)
1994	46,791	39,624	29,189	799,624	6,013,464	2,450,174	2,778,971	2,823,137
1995	20,014	20,620	11,791	247,645	4,066,595	1,532,502	952,304	877,047
1996	57,320	47,288	23,483	619,160	8,385,766	4,056,188	2,565,655	2,378,677
1997	67,416	52,935	21,955	986,312	7,010,228	2,870,194	2,637,433	2,469,147
1998	(11,427)	(10,141)	(4,879)	(133,721)	204,374	(365,361)	(319,014)	(295,861)
1999	36,054	26,104	11,921	521,799	6,462,089	2,482,790	1,749,495	1,508,344
2000	60,770	42,270	15,522	738,749	8,139,852	3,158,037	3,023,609	3,191,600
2001	370,971	247,499	211,786	4,203,321	27,319,774	10,577,923	14,853,220	15,739,675
2002	192,540	104,564	61,470	2,036,126	17,666,689	7,284,182	8,870,415	9,554,380
2003	198,411	118,387	97,762	2,591,352	24,686,904	9,172,710	10,694,766	11,529,669
2004	262,243	139,241	107,251	2,420,894	22,910,295	9,450,923	12,600,249	13,757,895
2005	291,101	147,895	149,083	2,791,021	33,776,092	12,750,371	11,843,712	12,615,882
2006	241,049	116,778	147,811	2,557,031	24,216,617	10,493,253	11,500,379	12,300,658
2007	461,136	228,029	257,116	4,809,380	23,665,366	11,668,533	17,485,162	18,965,848
2008	430,953	196,005	307,994	3,431,329	14,724,072	6,683,618	11,681,300	13,416,895
2009	221,684	103,270	164,922	2,501,591	13,814,314	4,320,317	7,109,228	7,916,544
2010	265,335	112,286	219,619	2,505,891	27,498,618	9,983,235	11,243,941	11,839,551
2011	276,020	116,080	232,703	3,365,711	40,411,543	15,518,876	14,819,012	15,531,425
2012	277,032	123,848	193,634	3,787,506	24,413,685	12,628,353	14,645,654	14,990,240
2013	443,661	206,710	330,213	5,250,011	23,312,901	9,674,367	13,289,762	13,706,201
2014	388,235	184,440	475,611	4,470,912	18,411,297	4,765,415	8,564,994	8,918,120
2015	383,935	234,927	354,948	5,215,370	16,343,549	6,043,384	10,379,087	11,726,021
2016	279,372	157,250	261,910	4,628,895	37,787,715	12,352,013	16,501,391	17,886,966
2017	608,992	873,393	32,951	4,760,354	44,384,226	16,612,497	17,254,382	17,776,275
2018	<b>890,294</b>	<b>772,483</b>	<b>849,673</b>	<b>5,171,029</b>	<b>33,769,587</b>	<b>14,801,740</b>	<b>18,500,809</b>	<b>18,958,676</b>
2019	873,985	796,213	834,108	5,170,212	41,010,868	14,198,999	17,942,137	18,356,342
2020	539,040	521,553	811,713	5,176,577	42,984,807	15,484,548	19,814,559	20,315,429
2021	546,934	555,647	846,872	5,250,373	22,358,646	15,763,232	20,197,124	20,713,143
2022	544,994	553,676	843,868	5,231,751	44,287,828	15,707,324	20,125,490	20,639,679
2023	546,412	555,117	846,064	5,245,365	35,413,621	15,748,197	20,177,860	20,693,388
2024	546,438	555,144	846,105	5,245,619	32,515,054	15,748,959	20,178,836	20,694,388
2025	546,369	555,073	845,998	5,244,953	35,601,946	15,746,960	20,176,275	20,691,761
2026	546,687	555,396	846,489	5,248,001	34,076,230	15,756,112	20,188,001	20,703,788
2027	546,583	555,291	846,329	5,247,007	34,069,772	15,753,126	20,184,176	20,699,864
2028	546,407	555,111	846,056	5,245,314	33,307,451	15,748,043	20,177,663	20,693,185
2029	546,427	555,132	846,088	5,245,510	34,811,411	15,748,633	20,178,419	20,693,961
2030	546,430	555,135	846,092	5,245,534	34,060,210	15,748,705	20,178,511	20,694,055
2031	546,449	555,154	846,121	5,245,718	34,061,407	15,749,259	20,179,220	20,694,782
2032	546,490	555,197	846,186	5,246,118	32,518,152	15,750,459	20,180,759	20,696,360
2033	546,189	554,890	845,719	5,243,222	35,469,382	15,741,768	20,169,622	20,684,940
2034	546,436	555,141	846,101	5,245,592	34,181,467	15,748,880	20,178,735	20,694,285
2035	547,743	556,469	848,125	5,258,139	21,617,658	15,786,547	20,226,998	20,743,780
<b>TOTAL</b>	<b>16,481,563</b>	<b>14,172,514</b>	<b>19,302,375</b>	<b>174,307,505</b>	<b>1,166,103,147</b>	<b>497,895,313</b>	<b>615,297,308</b>	<b>638,975,170</b>

<sup>a</sup> Starting with 2005, transmission costs that vary and depend on power usage are included, therefore recovered through the variable component.

<sup>b</sup> Power costs for the period 1968 through 1987 are for an interim facility.

<sup>c</sup> The costs of Del Valle Pumping Plant are combined with those of South Bay Pumping Plant to simplify the cost allocations.

**TABLE B-3 Power Costs and Credits, Transmission Costs and Annual Replacement Deposits for Each Aqueduct Pumping and Power Recovery Plant<sup>a</sup> (in dollars)**

Sheet 2 of 3

Calendar Year	CALIFORNIA AQUEDUCT (continued)								
	Reach 16A	Reach 17E	Reach 18A	Reach 22B	Reach 23	Reach 26A	Reach 2B (EBX)	Reach 3A (EBX)	
	Chrisman Pumping Plant	Edmonston Pumping Plant	Alamo Pumping Plant	Pearblossom Pumping Plant	Mojave Siphon Powerplant	Devil Canyon Powerplant	Greenspot Pump Station	Crafton Hills Pump Station	
	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	
1961	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0
1972	142,902	542,625	0	3,468	0	(3,024)	0	0	0
1973	387,198	1,548,428	0	202,289	0	(461,268)	0	0	0
1974	564,464	2,164,223	0	324,993	0	(546,156)	0	0	0
1975	1,095,331	4,010,395	0	575,061	0	(1,095,523)	0	0	0
1976	1,506,985	5,443,936	0	889,544	0	(1,566,056)	0	0	0
1977	652,643	2,345,033	0	315,128	0	(1,222,866)	0	0	0
1978	1,132,296	4,180,131	0	1,508,115	0	(3,085,094)	0	0	0
1979	1,526,850	5,475,688	0	1,838,687	0	(3,466,481)	0	0	0
1980	2,102,439	7,028,235	0	1,762,063	0	(3,318,152)	0	0	0
1981	2,838,773	9,351,931	0	2,296,771	0	(3,842,971)	0	0	0
1982	2,424,920	8,352,207	0	1,498,620	0	(2,736,072)	0	0	0
1983	793,915	2,375,225	0	397,766	0	(5,478,830)	0	0	0
1984	1,479,784	4,585,198	0	624,213	0	(7,350,989)	0	0	0
1985	2,812,461	9,365,591	0	1,226,515	0	(10,748,103)	0	0	0
1986	4,999,949	16,956,023	(1,013,756)	2,359,599	0	(11,484,996)	0	0	0
1987	4,586,919	15,121,886	(1,064,827)	1,907,854	0	(11,151,140)	0	0	0
1988	5,284,130	17,342,811	(744,374)	2,375,784	0	(14,495,967)	0	0	0
1989	8,772,733	29,455,330	(789,392)	4,235,981	0	(18,688,631)	0	0	0
1990	13,814,150	49,027,449	(841,172)	6,559,548	0	(21,045,321)	0	0	0
1991	2,535,180	9,033,684	(269,625)	996,352	0	(4,884,013)	0	0	0
1992	2,907,026	9,754,469	(975,679)	1,225,121	0	(9,782,946)	0	0	0
1993	(598,008)	(2,721,158)	(58,116)	(260,035)	0	(7,502,549)	0	0	0
1994	5,941,789	20,657,617	(60,125)	2,644,592	0	(11,998,949)	0	0	0
1995	1,752,212	5,829,425	(1,324,810)	1,106,460	0	(9,742,248)	0	0	0
1996	5,050,986	17,658,964	(2,955,178)	2,833,791	(979,429)	(12,358,465)	0	0	0
1997	5,545,919	19,859,875	(2,572,220)	3,156,995	(1,748,195)	(13,830,356)	0	0	0
1998	(664,843)	(2,312,472)	(2,016,390)	(443,482)	0	(1,253,110)	0	0	0
1999	3,755,592	14,466,419	(2,980,122)	1,910,542	(2,587,958)	(15,232,207)	0	0	0
2000	7,198,298	25,885,224	(5,123,988)	3,787,674	(4,402,610)	(25,758,437)	0	0	0
2001	35,022,118	127,851,427	(3,383,762)	18,669,512	(3,714,425)	(20,062,834)	0	0	0
2002	21,173,346	77,461,814	(5,057,760)	10,849,297	(5,371,837)	(25,292,454)	0	0	0
2003	25,596,032	94,010,922	(3,408,979)	14,573,122	(6,565,620)	(27,777,638)	0	0	0
2004	30,537,142	112,157,127	(6,431,864)	17,022,676	(7,858,117)	(32,044,505)	78,555	68,914	
2005	27,845,084	97,798,938	(5,880,165)	17,454,941	(6,454,740)	(28,818,797)	69,542	48,909	
2006	26,890,476	84,676,722	(4,091,143)	15,805,919	(6,391,206)	(34,897,387)	123,143	144,018	
2007	41,386,558	138,617,059	(3,029,048)	19,242,314	(5,896,486)	(28,814,592)	248,626	256,313	
2008	26,302,538	82,316,382	(3,426,928)	10,847,852	(3,300,797)	(16,968,293)	243,110	327,193	
2009	16,500,988	75,435,159	(3,266,008)	9,230,210	(2,288,833)	(13,842,660)	360,373	391,267	
2010	26,190,699	95,977,666	(5,115,083)	16,898,107	(5,653,201)	(24,769,829)	313,550	431,074	
2011	33,961,887	118,911,608	(6,536,645)	23,389,212	(7,792,422)	(32,285,174)	372,514	500,595	
2012	33,053,035	115,577,292	(2,492,869)	17,438,260	(8,905,115)	(23,525,846)	451,864	551,811	
2013	29,946,165	105,406,881	(2,081,221)	12,263,715	(4,915,165)	(14,305,918)	484,575	567,013	
2014	19,591,197	67,791,612	(1,786,122)	7,152,271	(1,465,644)	(5,391,598)	315,568	438,094	
2015	25,993,579	92,504,509	(2,289,717)	9,035,527	(2,103,231)	(6,675,218)	336,513	449,455	
2016	39,443,392	141,241,973	(7,801,980)	23,957,968	(8,723,634)	(21,862,397)	696,498	771,555	
2017	39,875,405	144,607,494	(10,395,652)	21,074,588	(12,614,584)	(19,662,753)	408,105	471,130	
<b>2018</b>	<b>43,244,698</b>	<b>158,013,351</b>	<b>(10,364,617)</b>	<b>30,396,847</b>	<b>(14,049,104)</b>	<b>(27,375,859)</b>	<b>286,657</b>	<b>307,280</b>	
2019	41,849,828	152,834,203	(9,854,155)	28,725,963	(13,310,276)	(25,923,337)	280,044	300,191	
2020	46,280,224	169,116,640	(8,922,637)	28,687,947	(12,712,631)	(24,906,995)	479,833	327,761	
2021	47,190,420	172,457,870	(8,984,174)	29,251,424	(12,775,237)	(24,980,779)	486,860	332,561	
2022	47,023,048	171,846,209	(8,984,174)	29,147,678	(12,775,237)	(24,980,778)	485,133	331,382	
2023	47,145,412	172,293,387	(8,995,675)	29,223,525	(12,775,237)	(24,980,778)	486,396	332,244	
2024	47,147,692	172,301,720	(11,162,938)	29,224,939	(12,775,237)	(24,980,779)	486,419	332,260	
2025	47,141,707	172,279,851	(11,162,938)	29,221,229	(12,775,237)	(24,980,779)	486,357	332,218	
2026	47,169,105	172,379,977	(11,162,938)	29,238,213	(12,775,237)	(24,980,779)	486,640	332,411	
2027	47,160,167	172,347,311	(11,162,938)	29,232,672	(12,775,237)	(24,980,779)	486,548	332,348	
2028	47,144,949	172,291,698	(11,162,938)	29,223,238	(12,775,237)	(24,980,778)	486,391	332,241	
2029	47,146,717	172,298,157	(11,162,938)	29,224,334	(12,775,237)	(24,980,778)	486,409	332,253	
2030	47,146,933	172,298,944	(11,162,938)	29,224,468	(12,775,237)	(24,980,779)	486,411	332,255	
2031	47,148,589	172,304,999	(11,162,938)	29,225,495	(12,775,237)	(24,980,779)	486,428	332,266	
2032	47,152,183	172,318,134	(11,162,938)	29,227,723	(12,775,237)	(24,980,779)	486,465	332,292	
2033	47,126,164	172,223,046	(11,162,938)	29,211,595	(12,775,237)	(24,980,778)	486,197	332,108	
2034	47,147,456	172,300,859	(11,162,938)	29,224,792	(12,775,237)	(24,980,778)	486,417	332,258	
2035	47,260,221	172,712,956	(11,162,938)	29,294,690	(12,775,237)	(24,980,778)	487,580	333,053	
<b>TOTAL</b>	<b>1,428,278,145</b>	<b>5,149,748,287</b>	<b>(289,325,408)</b>	<b>838,972,272</b>	<b>(342,686,925)</b>	<b>(1,072,902,127)</b>	<b>12,845,719</b>	<b>11,336,723</b>	

<sup>a</sup> Starting with 2005, transmission costs that vary and depend on power usage are included, therefore recovered through the variable component.

**TABLE B-3 Power Costs and Credits, Transmission Costs and Annual Replacement Deposits for Each Aqueduct Pumping and Power Recovery Plant<sup>a</sup> (in dollars)**

Sheet 3 of 3

Calendar Year	CALIFORNIA AQUEDUCT (continued)						Grand Total
	Reach 4B (EBX)	Reach 29A	Reach 29G	Reach 29J	Reach 31A	Reach 33A	
	Cherry Valley Pump Station	Oso Pumping Plant	Warne Powerplant	Castaic Powerplant	Las Perillas and Badger Hill Pumping Plants	Devil's Den, Bluestone, and Polonio Pass Pumping Plants	
	[17]	[18]	[19]	[20]	[21]	[22]	[23]
1961	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	36,771
1963	0	0	0	0	0	0	55,654
1964	0	0	0	0	0	0	73,240
1965	0	0	0	0	0	0	137,665
1966	0	0	0	0	0	0	186,064
1967	0	0	0	0	0	0	231,968
1968	0	0	0	0	118,676	0	1,117,913
1969	0	0	0	0	78,350	0	773,646
1970	0	0	0	0	136,429	0	1,103,798
1971	0	0	0	0	166,296	0	1,476,135
1972	0	79,315	0	(211,144)	212,938	0	3,073,359
1973	0	122,787	0	(1,057,564)	114,897	0	2,934,059
1974	0	157,511	0	(1,547,884)	111,442	0	3,683,880
1975	0	314,636	0	(2,455,461)	88,451	0	5,817,780
1976	0	326,967	0	(2,827,557)	139,279	0	8,211,705
1977	0	75,335	0	(3,734,462)	63,079	0	886,421
1978	0	89,383	0	(1,542,479)	176,153	0	7,272,153
1979	0	102,584	0	(2,776,030)	188,881	0	9,599,576
1980	0	236,768	0	(3,415,486)	168,458	0	10,419,251
1981	0	444,280	0	(2,834,322)	169,177	0	17,563,899
1982	0	539,245	(783,626)	(3,463,971)	168,390	0	13,477,272
1983	0	214,069	(1,488,439)	(6,649,718)	17,920	0	(7,452,864)
1984	0	484,239	(4,088,209)	(4,710,802)	112,679	0	(4,159,491)
1985	0	874,069	(5,930,176)	(15,698,638)	146,843	0	(9,861,182)
1986	0	1,269,590	(5,579,301)	(11,072,448)	297,886	0	11,622,736
1987	0	1,355,533	(6,445,265)	(11,726,458)	245,082	0	6,701,444
1988	0	1,515,349	(7,457,050)	(13,026,992)	214,519	0	6,239,207
1989	0	2,156,915	(8,822,367)	(15,535,849)	282,180	0	24,585,082
1990	0	2,913,030	(11,225,401)	(20,510,539)	416,832	0	48,154,174
1991	0	576,721	(3,882,595)	(6,579,194)	3,610	0	2,462,222
1992	0	829,862	(6,369,339)	(10,976,538)	101,665	0	(5,509,968)
1993	0	70,836	(4,665,393)	(9,531,404)	(111,306)	0	(24,907,973)
1994	0	1,503,796	(7,249,239)	(13,126,331)	206,086	(1,127)	13,499,083
1995	0	247,869	(1,934,202)	(4,049,615)	243,434	0	(142,957)
1996	0	895,929	(4,248,531)	(8,457,232)	296,170	0	15,870,542
1997	0	902,690	(4,824,488)	(8,776,260)	298,483	208,816	14,336,879
1998	0	(67,399)	(1,811,154)	(4,644,120)	(55,491)	(92,902)	(24,405,948)
1999	0	757,085	(5,831,573)	(9,811,777)	170,445	241,369	(2,343,588)
2000	0	1,307,386	(10,161,472)	(17,729,381)	228,532	378,042	(6,020,323)
2001	0	6,412,531	(7,918,467)	(13,370,061)	1,061,695	2,140,040	216,231,944
2002	0	4,246,409	(11,349,183)	(19,513,997)	547,531	1,344,783	94,808,314
2003	0	4,642,103	(10,436,535)	(17,134,431)	637,936	1,538,955	134,765,827
2004	7,290	5,682,375	(12,281,228)	(21,354,179)	675,724	1,804,179	149,713,081
2005	2,544	3,705,184	(7,106,531)	(13,339,416)	858,232	1,749,845	162,298,726
2006	16,224	2,751,150	(7,208,025)	(12,042,760)	866,658	1,540,830	129,758,195
2007	11,163	7,582,778	(11,444,524)	(21,845,299)	1,341,242	2,345,146	217,541,819
2008	7,446	4,778,398	(7,762,363)	(14,997,326)	1,168,590	1,735,082	132,143,048
2009	7,529	4,624,245	(6,997,502)	(15,725,766)	710,827	1,018,536	102,310,234
2010	19,508	3,835,926	(6,643,531)	(11,641,405)	939,667	1,507,295	155,958,918
2011	33,173	3,575,569	(5,996,974)	(10,892,193)	1,151,846	2,176,627	210,840,991
2012	49,817	5,698,868	(8,863,057)	(15,797,149)	1,075,445	2,072,358	187,444,665
2013	68,886	6,781,045	(9,189,037)	(15,851,695)	1,449,809	2,077,112	178,915,991
2014	51,887	4,806,430	(4,376,621)	(7,912,327)	1,668,186	2,532,504	129,594,461
2015	14,768	7,182,089	(6,599,051)	(11,183,098)	1,653,620	1,958,657	160,959,623
2016	48,482	6,503,047	(7,078,001)	(12,085,744)	1,602,690	3,102,403	249,671,761
2017	81,754	7,449,602	(8,410,108)	(13,645,662)	1,378,389	3,717,521	256,638,299
<b>2018</b>	<b>77,492</b>	<b>5,267,601</b>	<b>(6,075,171)</b>	<b>(9,279,826)</b>	<b>1,285,773</b>	<b>3,697,819</b>	<b>269,147,232</b>
2019	75,704	5,271,400	(6,097,898)	(9,314,321)	1,292,203	3,780,456	269,092,869
2020	82,657	6,193,157	(6,655,893)	(10,274,178)	590,368	5,115,232	299,049,711
2021	83,867	6,284,850	(6,655,061)	(10,274,178)	598,807	5,191,667	284,440,868
2022	83,570	6,262,559	(6,655,061)	(10,274,178)	596,680	5,173,254	305,214,695
2023	83,787	6,278,856	(6,655,061)	(10,274,178)	597,767	5,186,716	297,173,185
2024	83,791	6,279,159	(6,655,893)	(10,274,178)	598,548	5,186,967	292,123,013
2025	83,781	6,278,362	(6,655,061)	(10,274,178)	598,355	5,186,308	295,169,310
2026	83,829	6,282,011	(6,655,061)	(10,274,178)	598,751	5,189,322	293,832,770
2027	83,814	6,280,821	(6,655,061)	(10,274,178)	598,423	5,188,339	293,764,398
2028	83,787	6,278,794	(6,655,893)	(10,274,178)	597,868	5,186,665	292,895,837
2029	83,790	6,279,030	(6,655,061)	(10,274,178)	598,345	5,186,859	294,413,283
2030	83,790	6,279,058	(6,655,061)	(10,274,178)	598,432	5,186,883	293,663,653
2031	83,793	6,279,279	(6,655,061)	(10,274,178)	598,443	5,187,065	293,676,274
2032	83,799	6,279,758	(6,655,893)	(10,274,178)	598,345	5,187,461	292,156,856
2033	83,753	6,276,292	(6,655,061)	(10,274,178)	597,989	5,184,598	294,929,284
2034	83,791	6,279,128	(6,655,061)	(10,274,178)	597,793	5,186,941	293,787,880
2035	83,991	6,294,146	(6,655,061)	(10,274,178)	599,785	5,199,346	282,003,035
<b>TOTAL</b>	<b>1,913,255</b>	<b>221,478,391</b>	<b>(361,115,931)</b>	<b>(649,793,159)</b>	<b>36,147,227</b>	<b>125,497,968</b>	<b>8,252,929,332</b>

<sup>a</sup> Starting with 2005, transmission costs that vary and depend on power usage are included, therefore recovered through the variable component.

## Tables B-4 through B-31

Note: Where applicable, the projected data values shown in this appendix are shaded and the bill year data are in **bold** type.

**TABLE B-4 Maximum Contractual Table A Amounts (acre-feet)**

Calendar Year	NORTH BAY AREA			SOUTH BAY AREA <sup>a</sup>				CENTRAL COASTAL AREA		
	Napa <sup>b</sup>	Solano	Total	Alameda-Zone 7	Alameda County	Santa Clara	Total	San Luis Obispo	Santa Barbara	Total
1962	[1] 0	[2] 0	[3] 0	[4] 0	[5] 0	[6] 0	[7] 0	[8] 0	[9] 0	[10] 0
1963	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	507	5,248	5,783	11,538	0	0	0
1968	0	0	0	6,900	15,000	88,000	109,900	0	0	0
1969	0	0	0	8,200	15,500	75,000	98,700	0	0	0
1970	0	0	0	10,000	16,200	88,000	114,200	0	0	0
1971	0	0	0	11,200	17,000	88,000	116,200	0	0	0
1972	0	0	0	12,400	17,900	88,000	118,300	0	0	0
1973	0	0	0	13,600	18,800	88,000	120,400	0	0	0
1974	0	0	0	14,800	19,600	88,000	122,400	0	0	0
1975	0	0	0	16,000	20,500	88,000	124,500	0	0	0
1976	0	0	0	17,200	21,300	88,000	126,500	0	0	0
1977	0	0	0	18,400	22,200	88,000	128,600	0	0	0
1978	0	0	0	19,600	23,100	88,000	130,700	0	0	0
1979	0	0	0	20,800	23,900	88,000	132,700	0	0	0
1980	0	500	500	22,000	24,800	88,000	134,800	1,000	946	1,946
1981	0	650	650	23,000	26,000	88,000	137,000	1,000	1,813	2,813
1982	0	800	800	24,000	27,200	88,000	139,200	2,000	3,626	5,626
1983	0	950	950	25,000	28,400	88,000	141,400	3,000	5,439	8,439
1984	0	1,100	1,100	26,000	29,600	88,000	143,600	4,500	8,198	12,698
1985	0	1,250	1,250	27,000	30,800	88,000	145,800	7,500	13,638	21,138
1986	0	1,400	1,400	28,000	32,100	88,000	148,100	10,000	18,210	28,210
1987	0	1,550	1,550	29,000	33,300	88,000	150,300	12,500	22,704	35,204
1988	5,745	9,726	15,471	30,000	34,500	88,000	152,500	15,500	28,222	43,722
1989	6,195	18,420	24,615	31,000	35,700	90,000	156,700	20,000	36,342	56,342
1990	6,940	21,250	28,190	32,000	36,900	92,000	160,900	25,000	45,486	70,486
1991	7,290	22,300	29,590	34,000	38,400	94,000	166,400	25,000	45,486	70,486
1992	7,840	24,170	32,010	36,000	39,900	96,000	171,900	25,000	45,486	70,486
1993	8,490	26,130	34,620	38,000	41,400	98,000	177,400	25,000	45,486	70,486
1994	9,135	28,080	37,215	40,000	42,000	100,000	182,000	25,000	45,486	70,486
1995	9,780	34,250	44,030	42,000	42,000	100,000	184,000	25,000	45,486	70,486
1996	10,425	37,800	48,225	44,000	42,000	100,000	186,000	25,000	45,486	70,486
1997	11,065	38,250	49,315	46,000	42,000	100,000	188,000	6,215	38,986	45,201
1998	11,710	38,710	50,420	46,000	42,000	100,000	188,000	6,215	38,986	45,201
1999	15,850	39,170	55,020	46,000	42,000	100,000	188,000	25,000	45,486	70,486
2000	16,325	39,620	55,945	68,000	42,000	100,000	210,000	25,000	45,486	70,486
2001	20,725	45,836	66,561	78,000	42,000	100,000	220,000	25,000	45,486	70,486
2002	21,100	46,296	67,396	78,000	42,000	100,000	220,000	25,000	45,486	70,486
2003	21,475	46,756	68,231	78,400	42,000	100,000	220,400	25,000	45,486	70,486
2004	21,850	47,206	69,056	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2005	22,225	47,256	69,481	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2006	22,550	47,306	69,856	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2007	22,875	47,356	70,231	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2008	23,200	47,406	70,606	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2009	23,525	47,456	70,981	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2010	29,025	47,506	76,531	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2011	29,025	47,556	76,581	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2012	29,025	47,606	76,631	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2013	29,025	47,656	76,681	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2014	29,025	47,706	76,731	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2015	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2016	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2017	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
<b>2018</b>	<b>29,025</b>	<b>47,756</b>	<b>76,781</b>	<b>80,619</b>	<b>42,000</b>	<b>100,000</b>	<b>222,619</b>	<b>25,000</b>	<b>45,486</b>	<b>70,486</b>
2019	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2020	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2021	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2022	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2023	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2024	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2025	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2026	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2027	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2028	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2029	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2030	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2031	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2032	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2033	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2034	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
2035	29,025	47,756	76,781	80,619	42,000	100,000	222,619	25,000	45,486	70,486
<b>TOTAL</b>	<b>1,080,965</b>	<b>2,049,856</b>	<b>3,130,821</b>	<b>3,720,815</b>	<b>2,459,248</b>	<b>6,510,783</b>	<b>12,690,846</b>	<b>1,189,430</b>	<b>2,218,494</b>	<b>3,407,924</b>

<sup>a</sup> Table A amounts for the South Bay Area were supplied by non-project water for the period June 1962 through November 1967. Actual delivery quantities of project water are shown for 1967.

<sup>b</sup> Napa's Table A quantities exclude amounts during the period 1968 through 1987 that were supplied by non-project water.

TABLE B-4 Maximum Contractual Table A Amounts (acre-feet)

Calendar Year	SAN JOAQUIN VALLEY AREA								
	Dudley Ridge	Empire	Kern			Kings	Oak Flat	Tulare	Total
			Municipal and Industrial	Agricultural	Total				
	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]
1962	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0
1968	14,300	1,000	0	46,600	46,600	900	2,300	12,250	77,350
1969	14,325	3,000	0	95,700	95,700	1,200	2,500	46,350	163,075
1970	15,700	3,000	28,700	116,400	145,100	1,300	2,600	34,300	202,000
1971	17,900	3,000	35,700	154,600	190,300	1,300	2,800	36,500	251,800
1972	20,000	3,000	39,200	231,500	270,700	1,400	5,366	112,600	413,066
1973	22,000	3,000	43,500	267,000	310,500	1,500	3,100	43,552	383,652
1974	33,390	3,000	48,000	299,000	347,000	1,500	3,471	72,289	460,650
1975	40,555	3,000	52,700	358,120	410,820	1,600	3,576	86,258	545,809
1976	30,921	3,000	56,100	386,050	442,150	1,600	4,039	61,707	543,417
1977	30,400	3,000	60,600	423,000	483,600	1,700	3,700	59,000	581,400
1978	32,500	0	64,100	470,200	534,300	1,900	3,900	63,300	635,900
1979	38,544	3,000	67,600	516,300	583,900	2,000	4,000	71,241	702,685
1980	41,000	3,000	71,100	563,400	634,500	2,200	5,700	71,700	758,100
1981	41,000	3,000	74,800	616,600	691,400	2,300	4,300	76,000	818,000
1982	41,000	3,000	79,600	665,700	745,300	2,500	4,500	80,200	876,500
1983	42,900	3,000	83,500	721,600	805,100	2,800	3,770	9,548	867,118
1984	45,100	3,000	103,600	757,000	860,600	3,100	4,800	62,611	979,211
1985	47,200	3,000	108,900	806,100	915,000	3,400	4,900	45,549	1,019,049
1986	49,300	3,000	113,400	820,246	933,646	3,700	5,100	97,200	1,091,946
1987	51,400	3,000	119,100	904,400	1,023,500	4,000	5,200	101,400	1,188,500
1988	53,500	3,000	123,900	950,700	1,074,600	4,000	5,400	105,600	1,246,100
1989	55,600	3,000	128,200	984,100	1,112,300	4,000	5,600	109,900	1,290,400
1990	28,850	3,000	134,600	1,018,800	1,153,400	4,000	5,700	118,500	1,313,450
1991	53,411	3,000	134,600	1,018,800	1,153,400	4,000	5,700	118,500	1,338,011
1992	57,700	3,000	134,600	1,018,800	1,153,400	4,000	5,700	118,500	1,342,300
1993	57,700	3,000	134,600	1,018,800	1,153,400	4,000	5,700	118,500	1,342,300
1994	57,700	3,000	134,600	1,018,800	1,153,400	4,000	5,700	118,500	1,342,300
1995	57,700	3,000	134,600	1,018,800	1,153,400	4,000	5,700	118,500	1,342,300
1996	53,370	3,000	134,600	982,460	1,117,060	4,000	5,700	118,500	1,301,630
1997	53,370	3,000	134,600	978,130	1,112,730	4,000	5,700	118,500	1,297,300
1998	53,370	3,000	134,600	953,130	1,087,730	4,000	5,700	118,500	1,272,300
1999	53,370	3,000	134,600	953,130	1,087,730	4,000	5,700	118,500	1,272,300
2000	53,370	3,000	134,600	886,130	1,020,730	4,000	5,700	118,500	1,205,300
2001	53,370	3,000	134,600	866,349	1,000,949	4,000	5,700	118,500	1,185,519
2002	57,343	3,000	134,600	866,349	1,000,949	4,000	5,700	111,527	1,182,519
2003	57,343	3,000	134,600	866,349	1,000,949	4,000	5,700	111,127	1,182,119
2004	57,343	3,000	134,600	864,130	998,730	9,000	5,700	96,227	1,170,000
2005	57,343	3,000	134,600	864,130	998,730	9,000	5,700	96,227	1,170,000
2006	57,343	3,000	134,600	864,130	998,730	9,305	5,700	95,922	1,170,000
2007	57,343	3,000	134,600	864,130	998,730	9,305	5,700	95,922	1,170,000
2008	57,343	3,000	134,600	864,130	998,730	9,305	5,700	95,922	1,170,000
2009	57,343	3,000	134,600	864,130	998,730	9,305	5,700	95,922	1,170,000
2010	50,343	3,000	134,600	848,130	982,730	9,305	5,700	88,922	1,140,000
2011	50,343	3,000	134,600	848,130	982,730	9,305	5,700	88,922	1,140,000
2012	50,343	3,000	134,600	848,130	982,730	9,305	5,700	88,922	1,140,000
2013	50,343	3,000	134,600	848,130	982,730	9,305	5,700	88,922	1,140,000
2014	48,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,136,556
2015	45,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,133,556
2016	45,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,133,556
2017	45,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,133,556
<b>2018</b>	<b>45,350</b>	<b>3,000</b>	<b>134,600</b>	<b>848,130</b>	<b>982,730</b>	<b>9,305</b>	<b>5,700</b>	<b>87,471</b>	<b>1,133,556</b>
2019	45,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,133,556
2020	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
2021	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
2022	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
2023	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
2024	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
2025	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
2026	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
2027	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
2028	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
2029	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
2030	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
2031	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
2032	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
2033	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
2034	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
2035	41,350	3,000	134,600	848,130	982,730	9,305	5,700	87,471	1,129,556
<b>TOTAL</b>	<b>3,008,632</b>	<b>199,000</b>	<b>7,693,900</b>	<b>51,855,303</b>	<b>59,549,203</b>	<b>403,050</b>	<b>352,822</b>	<b>5,959,901</b>	<b>69,472,608</b>

**TABLE B-4 Maximum Contractual Table A Amounts (acre-feet)**

Calendar Year	SOUTHERN CALIFORNIA AREA									
	AVEK	Castaic Lake	Coachella	Crestline	Desert	Littlerock	Mojave	Palmdale	San Bernardino	San Gabriel
1962	[20] 0	[21] 0	[22] 0	[23] 0	[24] 0	[25] 0	[26] 0	[27] 0	[28] 0	[29] 0
1963	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0
1968	0	3,700	0	0	0	0	0	0	0	0
1969	0	5,000	0	0	0	0	0	0	0	0
1970	0	5,700	0	0	0	0	0	0	0	0
1971	0	6,700	0	0	0	0	0	0	0	0
1972	20,000	8,936	5,200	526	8,000	170	8,400	1,620	1,677	122
1973	25,000	12,400	5,800	870	9,000	290	10,700	2,940	48,000	11,500
1974	30,000	15,400	6,400	1,160	10,000	400	13,100	4,260	50,000	12,300
1975	35,000	18,200	7,000	1,450	11,000	520	15,400	5,580	52,500	13,100
1976	44,000	21,200	7,600	1,740	12,000	640	17,800	6,900	55,000	14,000
1977	50,000	24,100	8,421	2,030	13,000	730	20,200	8,220	57,500	14,800
1978	57,000	24,762	9,242	2,320	14,000	920	0	9,340	60,000	15,700
1979	63,000	28,000	10,063	2,610	15,000	1,040	24,900	10,260	62,500	16,600
1980	69,200	30,400	10,884	2,900	17,000	1,150	27,200	11,180	65,500	17,400
1981	75,000	32,800	12,105	3,190	19,000	1,270	23,100	11,700	68,500	18,300
1982	81,300	34,800	13,326	3,480	21,000	1,380	22,843	12,320	71,500	19,100
1983	87,700	37,300	14,547	3,770	23,000	1,500	34,300	12,940	74,500	19,900
1984	35,000	39,600	15,768	4,060	25,000	1,610	36,700	13,560	78,000	20,700
1985	40,000	41,800	16,989	4,350	27,000	1,730	39,000	14,180	81,500	21,800
1986	42,000	43,600	18,210	4,640	29,000	1,840	41,400	14,800	85,000	23,200
1987	44,000	45,600	19,431	4,930	31,500	1,960	43,700	15,420	89,000	24,600
1988	46,000	48,000	20,652	5,220	34,000	2,070	46,000	16,040	93,000	26,000
1989	125,700	50,100	21,873	5,510	36,500	2,190	48,500	16,660	97,000	27,400
1990	132,100	52,000	23,100	5,800	38,100	2,300	50,800	17,300	101,500	28,800
1991	138,400	54,200	23,100	5,800	38,100	2,300	50,800	17,300	102,600	28,800
1992	138,400	54,200	23,100	5,800	38,100	2,300	50,800	17,300	102,600	28,800
1993	138,400	54,200	23,100	5,800	38,100	2,300	50,800	17,300	102,600	28,800
1994	138,400	54,200	23,100	5,800	38,100	2,300	50,800	17,300	102,600	28,800
1995	138,400	54,200	23,100	5,800	38,100	2,300	50,800	17,300	102,600	28,800
1996	138,400	54,200	23,100	5,800	38,100	2,300	50,800	17,300	102,600	28,800
1997	138,400	54,200	23,100	5,800	38,100	2,300	50,800	17,300	102,600	28,800
1998	138,400	54,200	23,100	5,800	38,100	2,300	75,800	17,300	102,600	28,800
1999	138,400	54,200	23,100	5,800	38,100	2,300	75,800	17,300	102,600	28,800
2000	138,400	95,200	23,100	5,800	38,100	2,300	75,800	21,300	102,600	28,800
2001	138,400	95,200	23,100	5,800	38,100	2,300	75,800	21,300	102,600	28,800
2002	141,400	95,200	23,100	5,800	38,100	2,300	75,800	21,300	102,600	28,800
2003	141,400	95,200	23,100	5,800	38,100	2,300	75,800	21,300	102,600	28,800
2004	141,400	95,200	33,000	5,800	38,100	2,300	75,800	21,300	102,600	28,800
2005	141,400	95,200	121,100	5,800	50,000	2,300	75,800	21,300	102,600	28,800
2006	141,400	95,200	121,100	5,800	50,000	2,300	75,800	21,300	102,600	28,800
2007	141,400	95,200	121,100	5,800	50,000	2,300	75,800	21,300	102,600	28,800
2008	141,400	95,200	121,100	5,800	50,000	2,300	75,800	21,300	102,600	28,800
2009	141,400	95,200	121,100	5,800	50,000	2,300	75,800	21,300	102,600	28,800
2010	141,400	95,200	138,350	5,800	55,750	2,300	82,800	21,300	102,600	28,800
2011	141,400	95,200	138,350	5,800	55,750	2,300	82,800	21,300	102,600	28,800
2012	141,400	95,200	138,350	5,800	55,750	2,300	82,800	21,300	102,600	28,800
2013	141,400	95,200	138,350	5,800	55,750	2,300	82,800	21,300	102,600	28,800
2014	144,844	95,200	138,350	5,800	55,750	2,300	82,800	21,300	102,600	28,800
2015	144,844	95,200	138,350	5,800	55,750	2,300	85,800	21,300	102,600	28,800
2016	144,844	95,200	138,350	5,800	55,750	2,300	85,800	21,300	102,600	28,800
2017	144,844	95,200	138,350	5,800	55,750	2,300	85,800	21,300	102,600	28,800
<b>2018</b>	<b>144,844</b>	<b>95,200</b>	<b>138,350</b>	<b>5,800</b>	<b>55,750</b>	<b>2,300</b>	<b>85,800</b>	<b>21,300</b>	<b>102,600</b>	<b>28,800</b>
2019	144,844	95,200	138,350	5,800	55,750	2,300	85,800	21,300	102,600	28,800
2020	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
2021	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
2022	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
2023	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
2024	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
2025	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
2026	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
2027	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
2028	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
2029	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
2030	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
2031	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
2032	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
2033	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
2034	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
2035	144,844	95,200	138,350	5,800	55,750	2,300	89,800	21,300	102,600	28,800
<b>TOTAL</b>	<b>7,507,768</b>	<b>4,545,098</b>	<b>4,782,511</b>	<b>321,556</b>	<b>2,626,000</b>	<b>127,210</b>	<b>4,069,043</b>	<b>1,127,720</b>	<b>5,909,177</b>	<b>1,641,322</b>



TABLE B-4 Maximum Contractual Table A Amounts (acre-feet)

Calendar Year	SOUTHERN CALIFORNIA AREA (continued)				FEATHER RIVER AREA				South Bay Area Future Contractor	Grand Total
	San Gorgonio	Metropolitan	Ventura	Total	Yuba City	Butte	Plumas	Total		
1962	[30] 0	[31] 0	[32] 0	[33] 0	[34] 0	[35] 0	[36] 0	[37] 0	[38] 0	[39] 0
1963	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	11,538
1968	0	0	0	3,700	0	300	250	550	0	191,500
1969	0	0	0	5,000	0	350	270	620	0	267,395
1970	0	0	0	5,700	0	400	300	700	0	322,600
1971	0	0	0	6,700	0	450	440	890	0	375,590
1972	0	154,772	0	209,423	0	500	470	970	0	741,759
1973	0	354,600	0	481,100	0	600	500	1,100	0	986,252
1974	0	454,900	0	597,920	0	700	530	1,230	0	1,182,200
1975	0	555,200	0	714,950	0	1,050	560	1,610	0	1,386,869
1976	0	655,600	0	836,480	0	1,400	590	1,990	0	1,508,387
1977	0	755,900	0	954,901	0	1,800	620	2,420	0	1,667,321
1978	0	856,300	0	1,049,584	0	1,200	650	1,850	0	1,818,034
1979	0	956,600	0	1,190,573	0	1,450	680	2,130	0	2,028,088
1980	6,800	1,057,000	1,000	1,317,614	0	1,100	710	1,810	0	2,214,770
1981	7,800	1,157,300	2,000	1,432,065	0	1,200	740	1,940	0	2,392,468
1982	8,800	1,257,600	3,000	1,550,449	0	1,200	770	1,970	0	2,574,545
1983	9,800	1,358,000	4,000	1,681,257	0	1,200	800	2,000	0	2,701,164
1984	10,800	1,458,300	5,000	1,744,098	1,600	1,200	830	3,630	0	2,884,337
1985	11,800	1,558,700	6,000	1,864,849	1,700	1,200	860	3,760	0	3,055,846
1986	12,900	1,659,300	8,000	1,983,890	2,100	1,200	890	4,190	0	3,257,736
1987	14,000	1,759,800	10,000	2,103,941	2,500	1,200	920	4,620	0	3,484,115
1988	15,100	1,860,400	13,000	2,225,482	2,900	1,200	960	5,060	0	3,688,335
1989	16,200	1,961,000	16,000	2,424,633	3,300	1,200	1,000	5,500	0	3,958,190
1990	17,300	2,011,500	20,000	2,500,600	3,800	1,200	1,040	6,040	0	4,079,666
1991	17,300	2,011,500	20,000	2,510,200	9,600	1,200	1,080	11,880	0	4,126,567
1992	17,300	2,011,500	20,000	2,510,200	9,600	1,200	1,120	11,920	0	4,138,816
1993	17,300	2,011,500	20,000	2,510,200	9,600	1,200	1,160	11,960	0	4,146,966
1994	17,300	2,011,500	20,000	2,510,200	9,600	1,200	1,200	12,000	0	4,154,201
1995	17,300	2,011,500	20,000	2,510,200	9,600	1,200	1,250	12,050	0	4,163,066
1996	0	2,011,500	20,000	2,492,900	9,600	1,200	1,300	12,100	0	4,111,341
1997	0	2,011,500	20,000	2,492,900	9,600	1,200	1,350	12,150	0	4,084,866
1998	0	2,011,500	20,000	2,517,900	9,600	1,200	1,400	12,200	0	4,086,021
1999	2,000	2,011,500	20,000	2,519,900	9,600	2,890	1,450	13,940	0	4,119,646
2000	3,000	2,011,500	20,000	2,565,900	9,600	2,890	1,510	14,000	0	4,121,631
2001	4,000	2,011,500	20,000	2,566,900	9,600	3,500	1,570	14,670	0	4,124,136
2002	4,000	2,011,500	20,000	2,569,900	9,600	3,500	1,630	14,730	0	4,125,031
2003	5,000	2,011,500	20,000	2,570,900	9,600	3,500	1,690	14,790	0	4,126,926
2004	6,000	2,011,500	20,000	2,581,800	9,600	3,500	0	13,100	0	4,127,061
2005	6,500	1,911,500	20,000	2,582,300	9,600	1,200	0	10,800	0	4,125,686
2006	7,000	1,911,500	20,000	2,582,800	9,600	1,200	324	11,124	0	4,126,885
2007	8,650	1,911,500	20,000	2,584,450	9,600	1,200	720	11,520	0	4,129,306
2008	17,300	1,911,500	20,000	2,593,100	9,600	27,500	2,020	39,120	0	4,165,931
2009	17,300	1,911,500	20,000	2,593,100	9,600	27,500	2,090	39,190	0	4,166,376
2010	17,300	1,911,500	20,000	2,623,100	9,600	1,731	2,160	13,491	0	4,146,227
2011	17,300	1,911,500	20,000	2,623,100	9,600	2,548	2,240	14,388	0	4,147,174
2012	17,300	1,911,500	20,000	2,623,100	9,600	2,500	2,320	39,420	0	4,172,256
2013	17,300	1,911,500	20,000	2,623,100	9,600	27,500	2,410	39,510	0	4,172,396
2014	17,300	1,911,500	20,000	2,626,544	9,600	27,500	2,500	39,600	0	4,172,536
2015	17,300	1,911,500	20,000	2,629,544	9,600	27,500	2,600	39,700	0	4,172,686
2016	17,300	1,911,500	20,000	2,629,544	9,600	27,500	2,700	39,800	0	4,172,786
2017	17,300	1,911,500	20,000	2,629,544	9,600	27,500	2,700	39,800	0	4,172,786
<b>2018</b>	<b>17,300</b>	<b>1,911,500</b>	<b>20,000</b>	<b>2,629,544</b>	<b>9,600</b>	<b>27,500</b>	<b>2,700</b>	<b>39,800</b>	<b>0</b>	<b>4,172,786</b>
2019	17,300	1,911,500	20,000	2,629,544	9,600	27,500	2,700	39,800	0	4,172,786
2020	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
2021	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
2022	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
2023	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
2024	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
2025	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
2026	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
2027	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
2028	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
2029	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
2030	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
2031	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
2032	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
2033	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
2034	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
2035	17,300	1,911,500	20,000	2,633,544	9,600	27,500	2,700	39,800	0	4,172,786
<b>TOTAL</b>	<b>748,350</b>	<b>109,260,272</b>	<b>988,000</b>	<b>143,654,027</b>	<b>449,900</b>	<b>775,559</b>	<b>106,474</b>	<b>1,331,933</b>	<b>0</b>	<b>233,688,159</b>

**TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	UPPER FEATHER AREA			NORTH BAY AQUEDUCT							Total
	Butte	Grizzly Valley Pipeline Plumas	Yuba City	Reach 1	Reach 3A		Reach 3A-T		Reach 3B		
				Solano	Napa	Solano	Napa	Solano	Napa <sup>a</sup>	Solano	
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]
1962	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	1,214	0	1,214
1969	0	0	0	0	0	0	0	0	2,687	0	2,687
1970	0	70	0	0	0	0	0	0	3,618	0	3,618
1971	192	64	0	0	0	0	0	0	2,521	0	2,521
1972	186	505	0	0	0	0	0	0	3,647	0	3,647
1973	53	679	0	0	0	0	0	0	3,792	0	3,792
1974	127	648	0	0	0	0	0	0	4,870	0	4,870
1975	253	405	0	0	0	0	0	0	6,840	0	6,840
1976	527	382	0	0	0	0	0	0	7,122	0	7,122
1977	706	303	0	0	0	0	0	0	8,226	0	8,226
1978	579	278	0	0	0	0	0	0	6,034	0	6,034
1979	302	329	0	0	0	0	0	0	6,561	0	6,561
1980	267	295	0	0	0	0	0	0	6,707	0	6,707
1981	221	355	0	0	0	0	0	0	9,001	0	9,001
1982	334	305	0	0	0	0	0	0	1,213	0	1,213
1983	325	262	0	0	0	0	0	0	2,287	0	2,287
1984	177	272	108	0	0	0	0	0	2,923	0	2,923
1985	308	254	62	0	0	0	0	0	4,039	0	4,039
1986	313	317	328	1,400	0	0	0	0	3,519	0	4,919
1987	459	452	88	1,550	0	0	0	0	7,693	0	9,243
1988	385	523	303	1	0	9,725	0	0	5,392	0	15,118
1989	300	486	403	10	0	17,246	0	0	6,195	0	23,451
1990	380	548	494	3,275	0	15,856	0	0	6,940	0	26,071
1991	328	420	265	3,117	0	3,855	0	0	1,380	0	8,352
1992	117	485	642	5,553	0	9,220	0	0	4,001	0	18,774
1993	256	444	746	14,709	0	14,471	0	0	5,286	0	34,466
1994	329	492	1,035	10,343	0	14,913	0	0	6,792	0	32,048
1995	203	308	910	5,452	0	15,893	0	0	5,182	0	26,527
1996	257	360	820	12,930	0	17,069	0	0	4,893	0	34,892
1997	185	231	1,005	16,029	0	17,501	0	0	4,341	0	37,871
1998	527	0	1,054	11,562	0	18,204	0	0	5,359	0	35,125
1999	286	0	1,096	15,191	0	19,562	0	0	5,304	0	40,057
2000	586	0	901	15,490	0	11,290	0	10,235	4,958	0	41,973
2001	513	0	1,065	14,849	0	11,377	0	8,360	9,345	0	43,931
2002	419	0	1,181	18,841	0	11,130	0	8,589	6,875	0	45,435
2003	551	0	1,324	17,260	0	9,682	9	7,009	7,637	0	41,597
2004	1,440	0	1,434	20,951	0	10,691	135	10,860	7,999	500	51,136
2005	527	0	1,894	18,290	0	10,585	160	8,444	7,509	500	45,488
2006	468	0	5,342	16,573	0	10,865	208	7,578	7,581	500	43,305
2007	956	0	2,327	19,187	0	12,301	180	15,312	10,777	500	58,257
2008	451	243	1,923	21,436	15	11,410	37	7,974	13,240	500	54,612
2009	581	200	2,114	15,004	0	8,651	27	6,795	10,877	500	41,854
2010	807	243	2,331	17,598	0	8,231	70	4,487	12,347	500	43,233
2011	1,092	98	2,297	15,202	0	7,761	39	5,032	11,275	0	39,309
2012	1,374	79	2,695	16,508	0	8,298	47	4,541	9,860	0	39,254
2013	908	366	4,850	16,525	0	10,082	60	9,262	12,478	0	48,407
2014	1,617	251	4,237	7,354	0	6,856	41	5,469	14,123	0	33,843
2015	2,763	285	3,004	8,581	0	6,538	66	8,717	11,133	0	35,035
2016	2,518	387	1,229	10,802	1	6,464	45	6,339	8,947	0	32,598
2017	2,968	768	3,649	13,784	0	10,608	100	13,346	11,066	0	48,904
<b>2018</b>	<b>268</b>	<b>731</b>	<b>5,760</b>	<b>8,115</b>	<b>0</b>	<b>20,539</b>	<b>0</b>	<b>0</b>	<b>17,415</b>	<b>0</b>	<b>46,069</b>
2019	268	731	5,760	7,089	0	21,565	0	0	17,415	0	46,069
2020	268	731	5,760	6,011	0	22,643	0	0	17,415	0	46,069
2021	268	731	5,760	4,879	0	23,775	0	0	17,415	0	46,069
2022	268	731	5,760	4,879	0	23,775	0	0	17,415	0	46,069
2023	268	731	5,760	4,879	0	23,775	0	0	17,415	0	46,069
2024	268	731	5,760	4,879	0	23,775	0	0	17,415	0	46,069
2025	268	731	5,760	4,879	0	23,775	0	0	17,415	0	46,069
2026	268	731	5,760	4,879	0	23,775	0	0	17,415	0	46,069
2027	268	731	5,760	4,879	0	23,775	0	0	17,415	0	46,069
2028	268	731	5,760	4,879	0	23,775	0	0	17,415	0	46,069
2029	268	731	5,760	4,879	0	23,775	0	0	17,415	0	46,069
2030	268	731	5,760	4,879	0	23,775	0	0	17,415	0	46,069
2031	268	731	5,760	4,879	0	23,775	0	0	17,415	0	46,069
2032	268	731	5,760	4,879	0	23,775	0	0	17,415	0	46,069
2033	268	731	5,760	4,879	0	23,775	0	0	17,415	0	46,069
2034	268	731	5,760	4,879	0	23,775	0	0	17,415	0	46,069
2035	268	731	5,760	4,879	0	23,775	0	0	17,415	0	46,069
<b>TOTAL</b>	<b>34,245</b>	<b>26,550</b>	<b>156,836</b>	<b>479,757</b>	<b>16</b>	<b>767,707</b>	<b>1,224</b>	<b>148,349</b>	<b>647,076</b>	<b>3,500</b>	<b>2,047,629</b>

<sup>a</sup> For the period 1968 through 1987, deliveries were non-project water pumped through an interim facility.

**TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	SOUTH BAY AQUEDUCT <sup>b</sup>										Total
	Reach 1		Reach 2	Reach 4	Reach 5		Reach 6	Reach 7	Reach 8	Reach 9	
	Alameda-Zone 7	Alameda-County	Alameda-Zone 7	Alameda-Zone 7	Alameda-Zone 7	Alameda-County	Alameda-Zone 7	Alameda-County	Alameda-County	Santa Clara	
	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
1962	141	8,412	353	0	0	0	0	0	0	0	8,906
1963	814	10,914	917	0	0	0	0	0	0	0	12,645
1964	248	19,238	1,425	0	0	0	0	0	0	0	20,911
1965	637	15,280	1,830	138	0	0	0	1,127	0	15,014	34,026
1966	2,475	0	2,537	499	0	0	0	14,864	0	34,538	54,913
1967	1,527	0	2,391	862	0	0	0	12,882	0	39,101	56,763
1968	1,608	0	3,799	721	5	0	0	24,817	0	70,105	101,055
1969	1,165	0	3,459	1,851	160	0	0	813	0	62,264	69,712
1970	1,345	0	4,558	3,182	164	0	0	0	0	80,311	89,560
1971	546	0	1,908	2,403	160	0	0	5,961	0	87,606	98,584
1972	1,066	0	4,605	2,041	2,777	1,489	0	26,182	0	100,266	138,426
1973	430	0	1,123	1,193	229	0	0	2,521	0	88,582	94,078
1974	177	0	0	975	162	0	0	0	4	88,000	89,318
1975	137	0	1,783	1,864	120	0	714	393	593	88,000	93,604
1976	265	0	7,204	3,384	817	0	5,461	13,774	7,526	88,000	126,431
1977	210	0	4,491	2,213	524	0	5,206	11,284	7,556	76,220	107,704
1978	422	0	2,426	3,754	2,034	0	2,348	854	5,009	95,727	112,574
1979	197	0	4,283	5,567	3,937	0	5,341	3,430	7,444	91,991	122,190
1980	77	0	3,883	6,686	0	1,508	6,144	2,824	6,702	88,000	115,824
1981	1,250	0	4,648	5,273	1,157	5,752	7,262	7,595	8,570	88,000	129,507
1982	473	0	3,043	4,406	630	0	4,571	1,776	4,540	88,000	107,439
1983	179	0	2,712	1,714	50	0	111	0	3,157	86,733	94,656
1984	165	0	4,219	2,219	55	0	126	0	3,338	88,000	98,122
1985	213	0	5,199	2,060	63	0	7,537	11,203	7,813	88,000	122,088
1986	200	0	6,052	2,062	212	0	2,083	5,311	7,068	88,000	110,988
1987	218	0	7,538	2,372	285	0	12,993	15,488	9,902	88,000	136,796
1988	222	0	8,302	4,681	189	0	12,436	24,259	9,205	87,961	147,255
1989	222	0	8,051	6,562	418	0	10,974	17,340	8,702	90,000	142,269
1990	256	0	8,160	8,347	593	0	15,678	22,149	9,554	91,800	156,537
1991	162	0	3,676	3,269	359	0	1,945	9,155	3,493	28,200	50,259
1992	217	0	5,177	2,188	154	0	6,933	12,621	6,532	42,839	76,661
1993	190	0	5,843	8,430	5,964	1,650	13,208	1,792	6,829	62,065	105,971
1994	132	0	4,482	5,427	822	0	9,679	3,379	19,532	57,115	100,568
1995	278	0	6,236	7,195	955	0	15,427	21	17,772	28,756	76,640
1996	277	0	6,151	5,119	388	0	6,968	1,871	11,591	44,850	77,215
1997	138	0	6,647	6,501	1,582	1,323	12,654	18,761	10,864	60,601	102,186
1998	106	0	3,748	2,493	1,277	0	8,347	3,817	11,478	39,610	70,876
1999	148	0	5,048	8,227	1,444	0	13,133	5,326	16,226	52,945	102,497
2000	110	0	7,464	9,761	946	0	16,396	4,498	18,100	78,258	135,533
2001	105	0	7,822	4,879	3,010	0	13,593	0	18,004	47,922	95,335
2002	93	0	7,758	11,619	2,446	0	17,058	5,112	20,616	58,875	123,577
2003	108	0	7,916	11,348	2,887	0	16,684	5,037	12,753	75,981	132,714
2004	72	0	11,754	9,737	3,763	0	21,260	4,968	14,916	59,458	125,928
2005	1,430	0	11,520	10,100	1,826	0	16,597	4,139	10,160	52,364	108,136
2006	830	0	11,546	4,097	2,123	0	19,870	2,708	12,924	64,174	118,272
2007	179	0	10,066	2,563	3,107	0	23,205	8,255	15,107	71,690	134,172
2008	238	0	11,424	2,206	1,899	0	25,363	4,421	18,481	52,530	116,562
2009	211	0	7,054	5,437	1,987	0	16,398	2,551	16,945	66,364	116,947
2010	160	0	7,788	7,528	1,824	0	17,043	330	15,241	45,888	95,802
2011	1,541	0	6,282	6,887	2,173	0	20,098	7	15,203	60,761	112,952
2012	262	0	7,598	9,987	2,972	0	14,112	0	13,331	63,794	112,056
2013	237	0	11,253	9,998	3,171	0	20,197	31	23,609	78,623	147,119
2014	206	0	7,517	4,321	975	0	15,469	8,989	13,669	39,970	91,116
2015	182	0	6,136	3,640	4,594	0	15,520	6,389	14,838	65,773	117,072
2016	53	0	6,677	10,488	3,480	0	20,786	21	9,064	68,652	119,221
2017	277	0	9,175	11,384	3,438	0	13,270	0	7,078	58,807	103,429
<b>2018</b>	<b>0</b>	<b>0</b>	<b>9,340</b>	<b>11,510</b>	<b>2,650</b>	<b>0</b>	<b>18,104</b>	<b>0</b>	<b>19,188</b>	<b>62,502</b>	<b>123,294</b>
2019	0	0	9,224	11,510	2,650	0	18,220	0	21,600	60,000	123,204
2020	0	0	9,400	10,744	2,650	0	18,810	0	21,648	60,000	123,252
2021	0	0	9,610	9,884	2,650	0	19,460	0	21,600	60,000	123,204
2022	0	0	9,610	9,884	2,650	0	19,460	0	21,600	60,000	123,204
2023	0	0	9,610	9,884	2,650	0	19,460	0	21,600	60,000	123,204
2024	0	0	9,610	9,884	2,650	0	19,460	0	21,600	60,000	123,204
2025	0	0	9,610	9,884	2,650	0	19,460	0	21,600	60,000	123,204
2026	0	0	9,610	9,884	2,650	0	19,460	0	21,600	60,000	123,204
2027	0	0	9,610	9,884	2,650	0	19,460	0	21,600	60,000	123,204
2028	0	0	9,610	9,884	2,650	0	19,460	0	21,600	60,000	123,204
2029	0	0	9,610	9,884	2,650	0	19,460	0	21,600	60,000	123,204
2030	0	0	9,610	9,884	2,650	0	19,460	0	21,600	60,000	123,204
2031	0	0	9,610	9,884	2,650	0	19,460	0	21,600	60,000	123,204
2032	0	0	9,610	9,884	2,650	0	19,460	0	21,600	60,000	123,204
2033	0	0	9,610	9,884	2,650	0	19,460	0	21,600	60,000	123,204
2034	0	0	9,610	9,884	2,650	0	19,460	0	21,600	60,000	123,204
2035	0	0	9,610	9,884	2,650	0	19,460	0	21,600	60,000	123,204
<b>TOTAL</b>	<b>24,827</b>	<b>53,844</b>	<b>486,771</b>	<b>443,882</b>	<b>122,007</b>	<b>11,722</b>	<b>857,232</b>	<b>324,161</b>	<b>867,475</b>	<b>4,687,586</b>	<b>7,879,507</b>

<sup>b</sup> For the period June 1962 through November 1967, deliveries were supplied by non-project water.

**TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT											
	NORTH SAN JOAQUIN DIVISION						SAN LUIS DIVISION					
	Reach 1	Reach 2A					Reach 3		Reach 3A			
	Kern (Agricultural)	Alameda-Zone 7	Kern (Agricultural)	Oak Flat <sup>c</sup>	Santa Clara	Tulare	Dudley Ridge	Metropolitan	Alameda-Zone 7	Alameda County	AVEK	Castaic Lake
[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]	[31]	[32]	[33]	[34]	
1962	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	3,084	0	0	0	0	0	0	0	0
1969	0	0	0	3,016	0	0	0	0	0	0	0	0
1970	0	0	0	5,911	0	0	0	0	0	0	0	0
1971	0	0	0	7,212	0	0	0	0	0	0	0	0
1972	0	0	0	8,166	0	0	0	0	0	0	0	0
1973	0	0	0	3,214	0	0	0	0	0	0	0	0
1974	0	0	0	3,471	0	0	0	0	0	0	0	0
1975	0	0	0	3,576	0	0	0	0	0	0	0	0
1976	0	0	0	4,112	0	0	0	0	0	0	0	0
1977	0	0	0	1,472	0	0	0	0	0	0	0	0
1978	0	0	0	3,906	0	0	0	0	0	0	0	0
1979	0	0	0	6,149	0	0	0	0	0	0	0	0
1980	0	0	0	5,700	0	0	0	0	0	0	0	0
1981	0	0	0	4,300	0	0	0	0	0	0	0	0
1982	0	0	0	3,838	0	0	0	0	0	0	0	0
1983	0	0	0	3,822	0	0	0	0	0	0	0	0
1984	0	0	0	5,700	0	0	0	0	0	0	0	0
1985	0	0	0	5,433	0	0	0	0	0	0	0	0
1986	0	0	0	5,107	0	0	0	0	0	0	0	0
1987	0	0	0	5,625	0	0	0	0	0	0	0	0
1988	0	0	0	4,412	0	0	0	0	0	0	0	0
1989	0	0	0	6,091	0	300	602	0	0	0	0	0
1990	0	0	0	2,922	200	0	0	0	0	0	0	0
1991	0	0	0	141	0	0	0	0	0	0	0	0
1992	0	0	0	2,239	0	0	0	0	0	0	0	0
1993	0	0	0	2,858	0	0	0	0	0	0	0	0
1994	0	0	0	3,071	0	0	0	0	0	0	0	0
1995	0	0	0	5,169	0	0	0	0	0	0	0	0
1996	0	0	0	4,904	0	0	0	0	0	0	0	0
1997	0	0	0	5,238	0	0	0	11,100	0	0	0	0
1998	0	0	0	4,401	0	0	0	(11,100)	0	0	0	0
1999	0	0	0	4,871	0	0	0	0	0	0	0	0
2000	0	0	0	4,508	0	0	0	0	0	0	0	0
2001	0	0	638	3,592	0	0	0	0	0	0	0	0
2002	0	0	773	4,885	0	0	0	0	0	0	0	0
2003	0	7	917	4,266	0	0	0	0	0	0	0	0
2004	0	38	786	4,629	0	0	0	0	0	0	0	0
2005	0	299	1,046	4,194	0	0	0	0	0	0	0	0
2006	0	321	1,103	4,242	0	0	0	0	0	0	0	0
2007	0	320	1,031	3,567	0	0	0	0	0	0	0	0
2008	8,885	56	1,744	1,985	0	0	0	0	0	5,873	0	0
2009	0	0	1,169	1,993	0	0	0	0	0	0	0	3,300
2010	0	0	1,124	2,906	0	0	0	0	0	0	0	0
2011	0	0	1,112	2,715	0	0	0	0	0	0	0	0
2012	0	0	1,258	3,208	0	0	0	0	0	0	0	0
2013	0	0	1,156	2,820	0	0	0	0	0	0	0	0
2014	0	0	609	1,520	0	0	0	0	5,808	7,408	0	0
2015	0	0	718	1,077	0	0	0	0	2,360	6,032	0	0
2016	0	0	677	1,855	0	0	0	0	0	0	0	5,940
2017	0	0	68	1,974	0	0	0	0	0	0	0	30,000
<b>2018</b>	<b>0</b>	<b>0</b>	<b>1,300</b>	<b>3,420</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
2019	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2020	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2021	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2022	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2023	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2024	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2025	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2026	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2027	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2028	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2029	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2030	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2031	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2032	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2033	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2034	0	0	1,300	3,420	0	0	0	0	0	0	0	0
2035	0	0	1,300	3,420	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>8,885</b>	<b>1,041</b>	<b>39,329</b>	<b>256,627</b>	<b>200</b>	<b>300</b>	<b>602</b>	<b>0</b>	<b>8,168</b>	<b>13,440</b>	<b>5,873</b>	<b>39,240</b>

<sup>c</sup> Includes 425 af of 1988 advance allocation and 141 af of 1992 advance allocation.

**TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)											
	SAN LUIS DIVISION (continued)											
	Reach 3A (continued)						Reach 4					
	Dudley Ridge	Kern		Metropolitan	Santa Barbara	Santa Clara	Tulare	Castaic Lake	Dudley Ridge	Kern		Tulare
Municipal and Industrial		Agricultural	Municipal and Industrial							Agricultural		
	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]
1962	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	1,898	0	12,647	0
1990	0	0	0	0	0	0	0	0	0	0	0	1,500
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	14,446	0	3,500	0
1996	0	0	0	0	0	0	0	0	0	1,125	4,162	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	1,300
2000	0	3,320	68,960	0	0	0	0	0	0	1,517	878	0
2001	0	0	140,242	0	0	30,000	0	0	0	0	0	0
2002	0	6,000	62,024	0	0	0	0	0	0	0	0	0
2003	0	0	151,044	29,596	0	0	0	0	0	0	1,351	0
2004	0	0	44,877	0	0	0	0	0	0	0	0	0
2005	0	0	109,712	50,000	0	8,804	277	0	0	0	7,000	0
2006	0	0	19,575	0	0	0	0	0	0	0	0	0
2007	0	71,567	116,272	0	0	0	0	0	0	0	0	0
2008	0	0	94,562	0	0	0	0	0	0	0	10,721	0
2009	0	0	164,653	52,933	0	9,999	0	0	0	0	0	0
2010	0	0	35,896	120,274	0	9,993	0	0	0	0	0	0
2011	0	0	0	78,324	0	1,825	0	0	0	0	0	0
2012	6,068	0	23,401	0	0	0	0	0	0	0	0	0
2013	0	0	64,524	0	0	6,000	0	6,000	0	0	0	0
2014	16,789	0	104,689	15,000	0	27,476	0	0	0	0	0	0
2015	14,460	0	105,549	0	0	17,115	0	0	0	0	3,278	8,166
2016	0	0	54,247	37,283	7,230	28,878	0	0	0	0	1,047	7,723
2017	0	0	0	2,436	15,584	10,497	0	0	0	0	0	0
2018	0	0	0	254,657	0	0	0	0	0	0	0	0
2019	0	0	0	172,063	0	0	0	0	0	0	0	0
2020	0	0	0	172,063	0	0	0	0	0	0	0	0
2021	0	0	0	172,063	0	0	0	0	0	0	0	0
2022	0	0	0	172,063	0	0	0	0	0	0	0	0
2023	0	0	0	172,063	0	0	0	0	0	0	0	0
2024	0	0	0	172,063	0	0	0	0	0	0	0	0
2025	0	0	0	172,063	0	0	0	0	0	0	0	0
2026	0	0	0	172,063	0	0	0	0	0	0	0	0
2027	0	0	0	172,063	0	0	0	0	0	0	0	0
2028	0	0	0	172,063	0	0	0	0	0	0	0	0
2029	0	0	0	172,063	0	0	0	0	0	0	0	0
2030	0	0	0	172,063	0	0	0	0	0	0	0	0
2031	0	0	0	172,063	0	0	0	0	0	0	0	0
2032	0	0	0	172,063	0	0	0	0	0	0	0	0
2033	0	0	0	172,063	0	0	0	0	0	0	0	0
2034	0	0	0	172,063	0	0	0	0	0	0	0	0
2035	0	0	0	172,063	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>37,317</b>	<b>80,887</b>	<b>1,360,227</b>	<b>3,565,574</b>	<b>22,814</b>	<b>150,587</b>	<b>277</b>	<b>6,000</b>	<b>16,344</b>	<b>2,642</b>	<b>44,584</b>	<b>18,689</b>

**TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)											
	SAN LUIS DIVISION (continued)								SOUTH SAN JOAQUIN DIVISION			
	Reach 5								Reach 6			
	Castaic Lake	Dudley Ridge	Empire	Kern		Metropolitan	Oak Flat	Tulare	Empire	Kern		Kings
Municipal and Industrial				Agricultural	Municipal and Industrial					Agricultural		
	[47]	[48]	[49]	[50]	[51]	[52]	[53]	[54]	[55]	[56]	[57]	[58]
1962	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	1,550	0	0	0	0
1989	0	0	0	0	18,831	0	0	0	0	0	8,260	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	10,823	0	0	0	0	0	0	0	0	0	0
1993	5,095	27,200	0	0	28,200	0	2,000	1,624	0	0	31,200	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	21,776	0	0	0	0	0	3,932	0
1996	0	0	0	1,125	81,507	0	0	4,000	0	0	0	0
1997	0	0	0	9,080	154,940	0	0	3,500	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	20,400	33,340	0
1999	0	0	0	0	0	21,500	0	8,000	0	0	33,776	0
2000	0	0	0	8,130	57,647	0	0	0	0	1,457	35,847	0
2001	0	0	0	0	0	0	0	2,457	0	0	0	0
2002	0	0	0	0	0	0	0	3,000	0	0	0	0
2003	0	0	0	0	0	0	0	3,900	0	0	0	0
2004	0	0	0	0	0	0	0	3,850	0	0	0	3,250
2005	0	0	0	0	0	0	0	1,000	0	0	0	6,954
2006	0	0	0	0	0	0	0	3,000	0	0	0	2,659
2007	0	0	0	0	0	0	0	3,600	0	0	0	3,119
2008	0	0	0	0	0	0	0	1,355	0	0	0	2,159
2009	0	0	870	0	0	0	0	1,490	0	0	0	1,779
2010	0	0	431	0	0	0	0	0	0	0	0	2,477
2011	0	0	0	0	0	0	0	0	400	0	0	2,964
2012	0	0	449	0	0	0	0	2,800	514	0	0	2,706
2013	0	0	692	0	8,393	0	0	5,350	280	0	0	2,666
2014	0	0	303	0	0	0	0	661	38	0	0	1,109
2015	0	0	142	0	1,349	0	0	7,576	120	0	0	391
2016	0	0	425	0	7,553	0	0	24,251	446	0	0	1,009
2017	0	0	0	0	0	0	0	1,000	0	0	0	3,109
2018	0	0	0	0	0	0	0	0	0	0	0	3,120
2019	0	0	0	0	0	0	0	0	0	0	0	3,120
2020	0	0	0	0	0	0	0	0	0	0	0	3,120
2021	0	0	0	0	0	0	0	0	0	0	0	3,120
2022	0	0	0	0	0	0	0	0	0	0	0	3,120
2023	0	0	0	0	0	0	0	0	0	0	0	3,120
2024	0	0	0	0	0	0	0	0	0	0	0	3,120
2025	0	0	0	0	0	0	0	0	0	0	0	3,120
2026	0	0	0	0	0	0	0	0	0	0	0	3,120
2027	0	0	0	0	0	0	0	0	0	0	0	3,120
2028	0	0	0	0	0	0	0	0	0	0	0	3,120
2029	0	0	0	0	0	0	0	0	0	0	0	3,120
2030	0	0	0	0	0	0	0	0	0	0	0	3,120
2031	0	0	0	0	0	0	0	0	0	0	0	3,120
2032	0	0	0	0	0	0	0	0	0	0	0	3,120
2033	0	0	0	0	0	0	0	0	0	0	0	3,120
2034	0	0	0	0	0	0	0	0	0	0	0	3,120
2035	0	0	0	0	0	0	0	0	0	0	0	3,120
<b>TOTAL</b>	<b>5,095</b>	<b>38,023</b>	<b>3,312</b>	<b>18,335</b>	<b>380,196</b>	<b>21,500</b>	<b>2,000</b>	<b>83,964</b>	<b>1,798</b>	<b>21,857</b>	<b>146,355</b>	<b>92,511</b>

**TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)											
	SOUTH SAN JOAQUIN DIVISION (continued)											
	Reach 6 (continued)		Reach 7							Reach 8C		
	Metropolitan	Tulare	Castaic Lake	Dudley Ridge	Kern		Kings	Metropolitan	Tulare	Dudley Ridge	Empire	Kern
Municipal and Industrial					Agricultural	Municipal and Industrial						
1962	[59] 0	[60] 0	[61] 0	[62] 0	[63] 0	[64] 0	[65] 0	[66] 0	[67] 0	[68] 0	[69] 0	[70] 0
1963	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	1,978	0
1969	0	0	0	0	0	0	0	0	0	0	56	0
1970	0	0	0	0	0	0	0	0	0	0	3,942	0
1971	0	0	0	0	0	0	0	0	0	0	5,990	0
1972	0	0	0	0	0	0	0	0	0	0	5,795	0
1973	0	0	0	0	0	0	0	0	0	0	3,000	0
1974	0	0	0	0	0	0	0	0	0	0	3,000	0
1975	0	0	0	0	0	0	0	0	0	0	3,000	0
1976	0	0	0	0	0	0	0	0	0	0	3,000	0
1977	0	0	0	0	0	0	0	0	0	0	738	0
1978	0	0	0	0	0	0	0	0	0	0	454	0
1979	0	0	0	0	0	0	0	0	0	0	1,739	0
1980	0	0	0	0	0	0	0	0	0	0	894	0
1981	0	0	0	0	0	0	0	0	0	0	5,859	0
1982	0	0	0	0	0	0	0	0	0	0	361	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	5,197	0
1986	0	0	0	0	0	0	0	0	0	0	1,170	0
1987	0	0	0	0	0	0	0	0	0	0	2,525	0
1988	0	0	0	0	0	0	0	0	0	0	3,475	0
1989	0	0	0	0	0	5,262	0	0	0	2,391	3,000	0
1990	0	0	0	0	0	0	0	0	0	0	1,279	0
1991	0	0	0	0	0	0	0	0	0	0	221	0
1992	0	0	0	0	0	0	0	0	0	280	1,354	0
1993	0	0	0	0	18,157	10,043	0	0	0	0	2,741	0
1994	0	0	2,100	0	0	0	0	0	0	0	1,666	0
1995	0	0	0	0	10,875	20,595	0	0	0	0	1,631	989
1996	0	0	0	0	3,424	69,704	0	0	0	95	1,868	0
1997	0	0	0	0	27,079	32,463	0	0	0	0	0	0
1998	0	3,000	0	200	3,998	62,081	0	0	0	90	542	0
1999	11,000	23,000	0	0	7,923	19,500	0	500	4,470	86	3,176	0
2000	0	3,000	1,200	0	0	45,137	0	20,000	20,500	166	1,799	0
2001	0	600	0	0	0	0	0	0	0	14	1,360	0
2002	0	0	0	0	0	0	0	0	12,067	0	1,405	0
2003	0	0	0	0	0	0	0	0	15,103	0	1,436	0
2004	0	0	0	0	0	0	0	0	0	0	3,562	0
2005	0	0	0	0	0	0	6,904	0	4,000	0	3,834	0
2006	0	0	0	0	0	0	2,500	0	6,000	0	3,282	0
2007	0	0	0	0	0	16,214	0	0	2,545	0	2,084	0
2008	0	0	0	400	0	1,998	1,330	0	1,500	0	947	0
2009	0	2,100	0	1,400	0	0	0	0	600	0	164	0
2010	0	0	0	0	0	0	0	0	3,850	0	2,828	0
2011	0	0	0	0	0	0	0	0	2,500	0	1,515	0
2012	0	500	0	0	0	0	2,000	0	0	0	1,279	0
2013	0	1,159	0	500	0	0	0	0	1,121	0	595	0
2014	0	275	0	0	0	0	0	0	0	0	175	0
2015	0	0	0	850	0	0	0	0	0	0	362	0
2016	0	4,257	0	0	0	0	0	0	3,175	0	951	0
2017	0	0	0	0	0	0	0	0	0	0	1,800	0
2018	0	0	0	0	0	0	0	0	0	0	1,800	0
2019	0	0	0	0	0	0	0	0	0	0	1,800	0
2020	0	0	0	0	0	0	0	0	0	0	1,800	0
2021	0	0	0	0	0	0	0	0	0	0	1,800	0
2022	0	0	0	0	0	0	0	0	0	0	1,800	0
2023	0	0	0	0	0	0	0	0	0	0	1,800	0
2024	0	0	0	0	0	0	0	0	0	0	1,800	0
2025	0	0	0	0	0	0	0	0	0	0	1,800	0
2026	0	0	0	0	0	0	0	0	0	0	1,800	0
2027	0	0	0	0	0	0	0	0	0	0	1,800	0
2028	0	0	0	0	0	0	0	0	0	0	1,800	0
2029	0	0	0	0	0	0	0	0	0	0	1,800	0
2030	0	0	0	0	0	0	0	0	0	0	1,800	0
2031	0	0	0	0	0	0	0	0	0	0	1,800	0
2032	0	0	0	0	0	0	0	0	0	0	1,800	0
2033	0	0	0	0	0	0	0	0	0	0	1,800	0
2034	0	0	0	0	0	0	0	0	0	0	1,800	0
2035	0	0	0	0	0	0	0	0	0	0	1,800	0
<b>TOTAL</b>	<b>11,000</b>	<b>37,891</b>	<b>3,300</b>	<b>3,350</b>	<b>71,456</b>	<b>282,997</b>	<b>12,734</b>	<b>20,500</b>	<b>77,431</b>	<b>3,122</b>	<b>131,429</b>	<b>989</b>

**TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)											
	SOUTH SAN JOAQUIN DIVISION (continued)											
	Reach 8C (continued)			Reach 8D						Reach 9		
	Kern			Dudley Ridge	Kern		Kings	San Luis Obispo	Tulare	Dudley Ridge	Kern	
Agricultural	Kings	Tulare	Municipal and Industrial		Agricultural	Municipal and Industrial					Agricultural	
	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]	[81]	[82]
1962	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	900	25,100	26,360	0	0	0	0	0	0	0	30,951
1969	0	100	7,081	31,375	0	0	0	0	0	0	0	24,489
1970	0	0	0	40,407	0	0	0	0	3,408	0	0	46,114
1971	0	3,700	80,906	41,053	0	0	0	0	41,579	0	0	58,356
1972	0	1,400	144,843	42,443	0	0	0	0	113,550	0	0	75,464
1973	0	1,500	26,317	22,057	0	1,500	0	0	24,147	0	0	54,583
1974	0	1,500	32,603	33,390	0	0	0	0	39,686	0	0	63,814
1975	0	1,600	41,536	40,555	0	0	0	0	44,722	0	0	50,021
1976	0	1,600	26,595	41,421	0	0	0	0	32,216	0	0	53,465
1977	0	1,530	12,984	11,153	0	0	0	0	5,097	0	0	24,668
1978	0	2,070	3,934	51,747	0	0	0	0	8,119	0	0	72,231
1979	0	2,000	74,758	38,544	0	0	0	0	80,363	0	0	74,524
1980	0	2,200	35,140	41,000	0	0	0	0	40,304	0	0	79,946
1981	0	2,300	50,888	41,000	0	0	0	0	32,550	0	0	76,508
1982	0	1,536	4,405	41,000	0	0	214	0	14,146	0	0	76,877
1983	0	3,550	1,001	42,900	0	0	0	0	5	0	2,217	84,573
1984	0	3,100	3,677	45,100	0	0	0	0	2,066	0	4,100	85,732
1985	0	3,400	68,638	46,251	0	0	0	0	41,153	0	0	67,696
1986	0	3,700	40,017	50,249	0	0	0	0	39,338	0	0	79,943
1987	0	4,000	30,359	46,288	0	0	0	0	62,725	0	0	97,732
1988	0	4,000	46,281	47,994	0	0	0	0	48,035	0	1,100	83,858
1989	0	4,000	63,703	52,158	0	0	0	0	63,947	0	0	91,134
1990	0	2,000	23,504	36,296	0	161	0	0	32,066	0	0	83,108
1991	0	0	1,697	927	0	0	0	0	483	0	13,683	601
1992	0	1,806	15,982	12,667	0	0	0	0	30,746	0	28	40,183
1993	0	4,000	57,112	23,221	0	0	0	0	65,732	197	5,945	53,597
1994	0	2,116	21,510	28,793	0	1,726	0	0	40,852	0	0	44,994
1995	10,527	4,000	40,934	45,240	2,959	27,270	0	0	57,435	0	0	64,076
1996	1,500	4,000	84,130	52,722	0	1,455	0	100	148,745	0	2,236	89,291
1997	1,500	0	9,467	57,496	0	0	0	100	9,402	4,900	0	72,013
1998	1,000	15	8,956	49,435	0	20,000	0	0	8,721	0	0	57,530
1999	400	4,000	90,334	58,290	0	9,000	0	0	162,631	0	0	72,734
2000	400	3,600	63,842	57,920	0	0	0	0	113,952	0	0	73,562
2001	0	1,560	23,300	40,155	0	6,089	0	0	58,369	0	0	54,198
2002	0	2,854	34,009	48,179	0	7,522	0	0	47,426	0	0	60,957
2003	0	3,692	25,317	45,732	0	8,350	0	0	61,521	0	0	54,724
2004	0	5,803	30,546	45,823	0	4,979	0	0	55,625	0	0	54,330
2005	0	4,057	42,450	58,627	0	0	1,891	0	92,552	0	0	53,206
2006	0	1,105	34,367	61,410	0	0	3,266	0	64,840	0	0	56,909
2007	0	657	31,305	39,974	0	7,740	1,921	0	49,633	0	0	66,018
2008	0	240	14,146	18,974	0	21,242	107	0	16,903	0	0	63,315
2009	0	1,612	13,522	12,037	0	19,684	0	0	16,794	5,500	0	64,007
2010	0	26	14,005	17,346	0	14,094	1,900	0	40,609	0	0	76,357
2011	0	2,160	23,814	22,427	0	65	1,194	0	30,827	292	0	78,177
2012	0	2,699	25,847	17,122	0	2,168	0	0	56,570	3,400	0	69,395
2013	0	1,029	16,490	19,605	0	4,239	950	0	24,241	1,941	0	82,005
2014	0	81	2,880	12,960	0	3,554	66	0	5,118	1,000	0	67,754
2015	0	838	977	9,473	0	2,000	0	0	617	1,250	0	64,809
2016	0	2,651	534	11,403	0	140	0	0	2,447	3,430	0	68,699
2017	0	962	20,745	33,539	0	1,352	1,365	0	39,277	0	0	58,787
<b>2018</b>	<b>0</b>	<b>912</b>	<b>20,993</b>	<b>28,568</b>	<b>0</b>	<b>0</b>	<b>1,368</b>	<b>0</b>	<b>31,490</b>	<b>0</b>	<b>0</b>	<b>60,816</b>
2019	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2020	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2021	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2022	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2023	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2024	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2025	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2026	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2027	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2028	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2029	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2030	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2031	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2032	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2033	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2034	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
2035	0	912	20,993	28,568	0	0	1,368	0	31,490	0	0	60,816
<b>TOTAL</b>	<b>15,327</b>	<b>123,665</b>	<b>1,970,362</b>	<b>2,326,462</b>	<b>2,959</b>	<b>164,330</b>	<b>37,498</b>	<b>200</b>	<b>2,638,110</b>	<b>21,910</b>	<b>29,309</b>	<b>4,292,703</b>



**TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)											
	SOUTH SAN JOAQUIN DIVISION (continued)											
	Reach 9	Reach 10A										Reach 11B
	Tulare	Alameda-Zone 7	Alameda County	Castaic Lake	Dudley Ridge	Kern		Metropolitan	San Bernardino	Santa Clara	Tulare	Castaic Lake
Municipal and Industrial						Agricultural						
	[83]	[84]	[85]	[86]	[87]	[88]	[89]	[90]	[91]	[92]	[93]	[94]
1962	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	2,842	0
1970	1,855	0	0	0	0	0	158	0	0	0	4,315	0
1971	0	0	0	0	0	0	9,973	0	0	0	0	0
1972	0	0	0	0	0	0	5,876	0	0	0	0	0
1973	0	0	0	0	0	0	22,948	0	0	0	0	0
1974	0	0	0	0	0	10,019	22,719	0	0	0	0	0
1975	0	0	0	0	0	2,791	72,121	0	0	0	0	0
1976	0	0	0	0	0	74	50,444	0	0	0	0	0
1977	0	0	0	0	0	201	34,451	0	0	0	0	0
1978	0	0	0	0	0	0	161,889	0	0	0	0	0
1979	0	0	0	0	0	285	153,245	0	0	0	0	0
1980	0	0	0	0	0	3,780	131,836	0	0	0	0	0
1981	0	0	0	0	0	341	133,500	0	0	0	0	0
1982	0	0	0	0	0	4,700	164,832	0	0	0	0	0
1983	0	0	0	0	0	0	146,493	0	0	0	0	0
1984	0	0	0	0	0	6,910	150,302	0	0	0	0	0
1985	0	0	0	0	0	6,495	153,473	0	0	0	0	0
1986	0	0	0	0	0	5,065	198,099	0	0	0	0	0
1987	0	0	0	0	0	900	226,521	0	0	0	0	0
1988	0	0	0	0	0	9,529	212,495	0	0	0	0	0
1989	0	0	0	0	0	21,038	251,979	0	0	0	0	0
1990	0	0	0	0	0	25,189	47,472	0	0	0	0	0
1991	0	0	0	0	0	1,142	6,820	0	0	0	0	0
1992	0	0	0	0	0	3,685	89,390	0	0	0	0	0
1993	0	0	0	0	0	775	233,862	44,496	0	0	0	0
1994	0	0	0	0	0	5,227	126,792	0	0	0	0	0
1995	0	0	0	0	0	366	229,448	50,000	0	0	0	0
1996	0	0	6,200	0	0	6,666	199,854	95,000	0	45,000	0	0
1997	0	0	10,000	0	900	3,577	157,385	125,000	0	35,000	0	0
1998	0	1,970	3,780	0	0	2,603	163,587	39,500	0	23,800	0	0
1999	0	22,910	16,100	0	0	1,657	190,787	75,850	0	30,000	0	0
2000	0	23,940	13,380	0	0	7,672	283,208	0	0	23,730	0	0
2001	0	5,000	0	0	0	160	98,175	0	0	0	0	0
2002	0	14,287	2,083	24,000	0	145	171,498	0	0	3,311	0	0
2003	0	6,500	18,800	0	0	217	174,674	70,940	0	33,000	0	0
2004	0	5,740	8,000	32,522	0	65,751	117,286	0	0	0	0	0
2005	0	0	28,422	0	0	146	232,519	31,210	0	55,448	0	0
2006	0	5,740	27,447	0	5,000	0	237,623	0	0	64,036	0	0
2007	0	717	1,029	0	3,000	0	203,794	0	0	3,692	0	0
2008	0	0	0	0	2,800	1,702	103,176	0	0	4,306	0	0
2009	2,330	0	0	0	2,000	690	95,798	0	0	0	0	0
2010	0	3,000	7,000	0	2,000	14	102,773	74,000	0	51,990	800	0
2011	2,000	3,414	16,020	0	2,908	26	137,476	149,012	0	65,770	500	0
2012	2,000	0	7,500	0	1,660	29	201,876	45,000	2,868	0	0	5,500
2013	0	0	0	0	2,500	2,057	116,190	0	0	0	0	5,500
2014	0	0	0	0	0	0	40,332	0	0	0	0	0
2015	0	0	0	0	0	3,751	49,953	0	0	0	0	0
2016	0	5,000	18,272	0	1,075	817	101,875	0	0	9,634	0	0
2017	0	3,472	16,428	340	221	0	86,910	55,822	0	7,025	0	0
<b>2018</b>	<b>0</b>	<b>767</b>	<b>6,012</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>140,388</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
2019	0	767	3,600	0	0	0	140,388	0	0	0	0	0
2020	0	767	3,552	0	0	0	140,388	0	0	0	0	0
2021	0	767	3,600	0	0	0	140,388	0	0	0	0	0
2022	0	767	3,600	0	0	0	140,388	0	0	0	0	0
2023	0	767	3,600	0	0	0	140,388	0	0	0	0	0
2024	0	767	3,600	0	0	0	140,388	0	0	0	0	0
2025	0	767	3,600	0	0	0	140,388	0	0	0	0	0
2026	0	767	3,600	0	0	0	140,388	0	0	0	0	0
2027	0	767	3,600	0	0	0	140,388	0	0	0	0	0
2028	0	767	3,600	0	0	0	140,388	0	0	0	0	0
2029	0	767	3,600	0	0	0	140,388	0	0	0	0	0
2030	0	767	3,600	0	0	0	140,388	0	0	0	0	0
2031	0	767	3,600	0	0	0	140,388	0	0	0	0	0
2032	0	767	3,600	0	0	0	140,388	0	0	0	0	0
2033	0	767	3,600	0	0	0	140,388	0	0	0	0	0
2034	0	767	3,600	0	0	0	140,388	0	0	0	0	0
2035	0	767	3,600	0	0	0	140,388	0	0	0	0	0
<b>TOTAL</b>	<b>8,185</b>	<b>115,496</b>	<b>267,625</b>	<b>56,862</b>	<b>24,064</b>	<b>206,192</b>	<b>8,830,871</b>	<b>855,830</b>	<b>2,868</b>	<b>455,742</b>	<b>8,457</b>	<b>11,000</b>

**TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)										
	SOUTH SAN JOAQUIN DIVISION (continued)										
	Reach 11B (continued)					Reach 12D		Reach 12E			
	Dudley Ridge	Kern		Metropolitan	Tulare	Kern		Alameda-Zone 7	Alameda County	Castaic Lake	Dudley Ridge
Municipal and Industrial		Agricultural	Municipal and Industrial			Agricultural					
	[95]	[96]	[97]	[98]	[99]	[100]	[101]	[102]	[103]	[104]	[105]
1962	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	24,776	0	0	0	0	0	0	0	0
1969	0	0	64,682	0	0	0	0	0	0	0	0
1970	0	0	72,279	0	0	0	0	0	0	0	0
1971	0	0	63,773	0	0	0	0	0	0	0	0
1972	0	0	72,358	0	0	0	0	0	0	0	0
1973	0	0	67,544	0	0	0	0	0	0	0	0
1974	0	0	87,476	0	0	0	0	0	0	0	0
1975	0	0	85,675	0	0	0	0	0	0	0	0
1976	0	0	85,067	0	0	0	0	0	0	0	0
1977	0	3,981	29,603	0	0	0	0	0	0	0	0
1978	0	0	88,753	0	0	0	0	0	0	0	0
1979	0	484	108,379	0	0	0	0	0	0	0	0
1980	0	3,112	103,207	0	0	0	0	0	0	0	0
1981	0	494	104,395	0	0	0	0	0	0	0	0
1982	0	798	99,081	0	0	0	0	0	0	0	0
1983	0	2,069	94,117	0	0	0	0	0	0	0	0
1984	0	2,349	124,819	0	0	0	0	0	0	0	0
1985	0	10,666	118,646	0	0	0	0	0	0	0	0
1986	0	8,673	124,836	0	0	0	0	0	0	0	0
1987	0	13,074	111,877	0	0	0	0	0	0	0	0
1988	0	13,509	114,031	0	0	0	0	0	0	0	0
1989	0	9,986	127,058	0	0	0	0	0	0	0	0
1990	0	9,319	104,107	0	0	0	0	0	0	0	0
1991	0	6,099	118	0	0	0	0	0	0	0	0
1992	0	7,419	35,093	0	0	0	0	0	0	0	0
1993	0	2,696	72,645	0	0	0	0	0	0	0	0
1994	0	3,506	71,202	0	0	0	0	0	0	0	0
1995	0	1,154	97,072	0	0	0	0	0	0	0	1,000
1996	0	1,185	96,250	0	0	0	0	0	0	0	4,131
1997	0	1,111	104,823	0	0	0	0	0	0	0	8,012
1998	0	1,311	72,646	0	0	0	0	0	0	0	5,925
1999	0	2,127	92,262	0	0	0	0	0	0	0	1,321
2000	1,500	3,793	89,622	0	0	21	0	0	0	0	953
2001	0	636	73,105	0	0	41	0	0	0	0	0
2002	0	1,457	91,123	0	0	760	6	0	0	0	0
2003	0	1,379	87,174	0	0	2,431	152	0	0	0	0
2004	0	1,299	97,722	0	0	3,419	768	0	0	0	1,600
2005	0	824	93,554	0	0	2,841	644	3,419	1,878	20,000	1,154
2006	0	0	98,417	0	0	2,513	1,556	10,000	0	20,000	0
2007	0	4,030	94,334	0	0	2,164	2,284	0	0	8,200	0
2008	0	263	93,417	0	0	1,514	3,000	0	0	0	0
2009	300	127	96,776	0	0	564	4,274	0	0	0	0
2010	5,350	381	92,220	0	974	1,904	2,206	10,000	0	25,844	0
2011	0	1,160	105,682	0	3,500	973	65	10,000	1,960	0	0
2012	2,000	1,019	94,519	0	0	3,128	939	20,308	0	6,416	200
2013	2,500	1,167	110,418	0	0	3,473	1,531	0	0	0	0
2014	9,786	0	87,728	0	0	0	5,225	0	0	0	0
2015	8,200	4,553	84,288	0	0	985	3,486	0	0	0	0
2016	5,000	1,037	91,735	942	0	2,225	1,442	7,000	0	0	0
2017	0	19,122	75,883	0	0	18,447	255	6,000	0	0	9,151
2018	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2019	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2020	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2021	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2022	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2023	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2024	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2025	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2026	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2027	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2028	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2029	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2030	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2031	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2032	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2033	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2034	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
2035	0	9,000	59,164	0	0	4,226	0	6,000	0	0	0
<b>TOTAL</b>	<b>34,636</b>	<b>309,369</b>	<b>5,441,319</b>	<b>942</b>	<b>4,474</b>	<b>123,471</b>	<b>27,833</b>	<b>174,727</b>	<b>3,838</b>	<b>80,460</b>	<b>33,447</b>

**TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)										
	SOUTH SAN JOAQUIN DIVISION (continued)										
	Reach 12E (continued)					Reach 13B					
	Kern		Metropolitan	San Bernardino	Santa Clara	Alameda-Zone 7	Alameda County	Dudley Ridge	Kern		
Municipal and Industrial	Agricultural	Municipal and Industrial							Agricultural	Metropolitan	
	[106]	[107]	[108]	[109]	[110]	[111]	[112]	[113]	[114]	[115]	[116]
1962	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	0
1970	0	9,279	0	0	0	0	0	0	0	4,891	0
1971	0	28,056	0	0	0	0	0	0	0	0	0
1972	0	62,342	0	0	0	0	0	0	0	17,388	0
1973	0	13,082	0	0	0	0	0	0	0	9,297	0
1974	2,651	4,248	0	0	0	0	0	0	8,038	4,246	0
1975	0	10,787	0	0	0	0	0	0	8,538	7,059	0
1976	37,519	20,555	0	0	0	0	0	0	5,626	8,855	0
1977	20,280	1,737	0	0	0	0	0	0	0	5,024	0
1978	47,133	15,011	0	0	0	0	0	0	21,773	7,601	0
1979	50,740	61,567	0	0	0	0	0	0	5,663	17,766	0
1980	32,039	22,252	0	0	0	0	0	0	0	22,515	0
1981	59,917	58,470	0	0	0	0	0	0	7,844	14,037	0
1982	36,139	75,587	0	0	0	0	0	0	0	25,553	0
1983	0	10,950	0	0	0	0	0	0	0	3,491	0
1984	63,941	39,929	0	0	0	0	0	0	12,117	26,178	0
1985	69,839	84,117	0	0	0	0	0	0	0	67,711	0
1986	62,109	51,540	0	0	0	0	0	0	0	66,551	0
1987	95,297	86,223	0	0	0	0	0	0	5,609	40,374	0
1988	86,390	123,249	0	0	0	0	0	0	9,298	47,167	0
1989	83,965	146,544	0	0	0	0	0	0	5,504	57,114	0
1990	82,164	38,973	0	0	0	0	0	0	7,645	20,423	0
1991	8,842	303	0	0	0	0	0	0	0	0	0
1992	47,181	57,048	0	0	0	0	0	0	789	17,449	0
1993	84,822	285,554	5,504	0	0	0	0	0	12,798	88,157	0
1994	66,188	77,839	0	0	0	0	0	0	2,494	33,148	0
1995	107,130	181,097	0	0	0	0	0	0	8,751	110,685	0
1996	89,257	134,138	0	0	0	0	0	0	28,063	64,849	0
1997	32,061	128,329	1,486	0	0	0	0	0	43,803	49,312	0
1998	28,258	88,998	24,234	0	0	0	0	0	29,444	40,085	5,500
1999	110,161	255,343	62,162	0	0	0	0	0	12,969	92,998	0
2000	11,772	156,215	149,731	0	0	0	0	0	0	102,202	0
2001	385	51,076	0	0	0	0	0	1,733	0	33,925	0
2002	0	135,335	0	0	0	0	0	736	0	71,444	0
2003	39,479	112,056	45,989	0	0	0	0	350	2,396	124,582	1,865
2004	52,303	95,893	0	0	0	0	0	1,657	1,922	73,801	0
2005	43,835	340,281	15,384	0	2,619	2,321	0	14,540	21,781	269,631	192
2006	82,207	296,230	5,065	0	0	0	0	5,670	11,787	196,116	0
2007	1,179	87,764	0	0	0	0	0	2,161	0	72,240	0
2008	0	58,983	0	0	0	0	0	0	200	9,785	0
2009	0	82,434	0	0	0	0	0	0	0	12,060	0
2010	4,851	72,809	134,855	0	0	0	0	304	0	63,966	22,000
2011	26,249	313,619	109,787	8,066	706	2,331	3,420	34,733	4,896	273,275	25,845
2012	19,423	102,054	92,803	19,066	0	0	0	0	448	70,805	1,950
2013	26,652	60,295	0	0	0	0	0	0	0	14,189	0
2014	0	500	0	0	0	0	0	0	0	2,246	0
2015	280	2,750	0	0	0	0	0	0	0	481	0
2016	1,225	57,929	3,908	0	0	0	0	0	3,005	12,815	0
2017	17,809	159,439	66,326	0	0	0	0	16,402	0	94,561	0
<b>2018</b>	<b>50,704</b>	<b>67,584</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22,200</b>	<b>0</b>
2019	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2020	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2021	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2022	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2023	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2024	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2025	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2026	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2027	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2028	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2029	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2030	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2031	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2032	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2033	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2034	50,704	67,584	0	0	0	0	0	0	0	22,200	0
2035	50,704	67,584	0	0	0	0	0	0	0	22,200	0
<b>TOTAL</b>	<b>2,644,344</b>	<b>5,575,321</b>	<b>717,234</b>	<b>27,132</b>	<b>3,325</b>	<b>4,652</b>	<b>3,420</b>	<b>78,286</b>	<b>283,201</b>	<b>2,867,648</b>	<b>57,352</b>

TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)

Calendar Year	CALIFORNIA AQUEDUCT (continued)												
	SOUTH SAN JOAQUIN DIVISION (continued)												
	Reach 13B (continued)			Reach 14A		Reach 14B		Reach 14C			Reach 15A		
	Palmdale	Santa Clara	Tulare	Kern		Kern		Kern		Metropolitan	Kern		
				Municipal and Industrial	Agricultural	Municipal and Industrial	Agricultural	Municipal and Industrial	Agricultural		Municipal and Industrial	Agricultural	
[117]	[118]	[119]	[120]	[121]	[122]	[123]	[124]	[125]	[126]	[127]	[128]		
1962	0	0	0	0	0	0	0	0	0	0	0	0	
1963	0	0	0	0	0	0	0	0	0	0	0	0	
1964	0	0	0	0	0	0	0	0	0	0	0	0	
1965	0	0	0	0	0	0	0	0	0	0	0	0	
1966	0	0	0	0	0	0	0	0	0	0	0	0	
1967	0	0	0	0	0	0	0	0	0	0	0	0	
1968	0	0	0	0	0	0	0	0	0	0	0	0	
1969	0	0	0	0	0	0	0	0	0	0	0	0	
1970	0	0	0	0	0	0	3	0	0	0	0	0	
1971	0	0	0	0	23,844	0	49,929	0	24,187	0	0	3,552	
1972	0	0	0	0	26,621	0	77,034	0	35,016	0	0	6,064	
1973	0	0	0	0	15,328	0	47,040	0	19,043	0	0	19,916	
1974	0	0	0	0	7,794	0	32,356	0	12,601	0	0	18,000	
1975	0	0	0	0	10,306	0	27,736	0	12,783	0	0	35,420	
1976	0	0	0	0	268	0	35,296	0	9,005	0	0	39,551	
1977	0	0	0	0	8,299	0	13,539	0	3,757	0	0	6,158	
1978	0	0	0	0	34,029	0	72,351	0	24,542	0	0	31,148	
1979	0	0	0	3,012	27,356	0	59,413	0	22,372	0	0	38,602	
1980	0	0	0	4,312	16,876	0	40,513	0	19,953	0	0	37,817	
1981	0	0	0	4,511	13,007	8	42,753	7	18,729	0	0	39,033	
1982	0	0	0	3,735	24,240	184	57,739	0	26,479	0	0	47,782	
1983	0	0	0	1,168	20,302	0	57,922	0	26,613	0	0	37,426	
1984	0	0	0	137	35,369	10	79,179	2	34,996	0	0	49,848	
1985	0	0	0	206	33,103	0	72,855	0	31,758	0	0	44,078	
1986	0	0	0	180	26,384	0	70,864	0	34,566	0	0	42,461	
1987	0	0	0	610	30,098	9	67,710	10	31,019	0	0	34,748	
1988	0	0	0	622	32,778	19	75,968	1	37,165	0	16	41,978	
1989	0	0	0	721	29,292	7	82,201	5	37,800	0	2	43,239	
1990	0	0	0	673	26,800	13	81,076	9	34,174	0	6	36,347	
1991	0	0	0	768	0	0	0	0	0	0	0	0	
1992	0	0	0	673	16,238	464	41,143	0	18,084	0	0	24,243	
1993	0	0	0	629	17,832	0	62,493	0	28,103	0	0	27,997	
1994	0	0	0	2,513	16,760	3,000	54,011	1,000	22,624	0	0	29,511	
1995	0	0	3,500	3	21,234	0	67,391	0	31,285	0	0	26,134	
1996	0	0	0	0	26,978	0	85,936	0	38,879	0	0	36,186	
1997	0	0	0	0	23,035	0	79,790	0	33,512	0	0	36,281	
1998	0	0	0	0	15,706	0	58,132	0	23,097	0	0	28,712	
1999	0	0	0	0	21,153	0	67,576	0	31,489	0	0	36,801	
2000	0	0	0	0	19,264	0	70,585	0	33,716	0	0	40,063	
2001	0	0	0	0	12,452	0	49,602	0	23,557	0	0	31,192	
2002	0	0	0	0	11,161	0	52,762	0	27,138	0	0	41,552	
2003	0	0	0	0	13,685	0	44,576	0	24,783	12,911	0	36,602	
2004	0	0	0	0	13,030	0	52,012	0	30,313	0	0	40,184	
2005	0	9,014	0	0	15,663	0	56,739	0	21,979	0	0	39,870	
2006	0	0	0	0	17,779	0	65,142	1,413	20,193	5,440	0	46,244	
2007	0	0	0	0	21,435	0	67,955	0	24,947	1,881	0	47,390	
2008	0	2,324	0	0	20,087	0	63,497	0	27,847	0	0	33,029	
2009	0	0	0	0	22,281	0	60,726	0	27,185	0	0	26,007	
2010	0	0	10,000	0	21,964	0	58,110	0	25,477	29,818	0	22,045	
2011	7,000	0	0	0	24,131	0	61,859	0	27,061	27,326	0	42,158	
2012	2,500	0	8,000	0	25,982	0	64,489	0	23,446	31,703	0	27,920	
2013	0	0	0	0	29,414	0	62,137	0	25,004	6,592	0	28,147	
2014	0	0	0	0	28,172	0	50,337	0	20,992	0	0	10,784	
2015	0	0	0	0	25,886	0	48,996	0	17,267	0	0	10,202	
2016	0	0	0	0	27,686	0	55,147	0	23,159	911	0	15,901	
2017	0	0	0	0	48,334	0	46,882	0	46,663	0	0	39,694	
2018	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2019	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2020	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2021	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2022	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2023	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2024	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2025	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2026	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2027	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2028	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2029	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2030	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2031	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2032	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2033	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2034	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
2035	0	0	0	0	17,000	0	42,800	0	20,500	0	0	25,800	
<b>TOTAL</b>	<b>9,500</b>	<b>11,338</b>	<b>21,500</b>	<b>24,473</b>	<b>1,305,436</b>	<b>3,714</b>	<b>3,461,902</b>	<b>2,447</b>	<b>1,563,358</b>	<b>116,582</b>	<b>24</b>	<b>1,942,417</b>	

**TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)											
	SOUTH SAN JOAQUIN DIVISION (continued)			TEHACHAPI DIVISION	MOJAVE DIVISION							
	Reach 16A			Reach 17E	Reach 18A	Reach 19			Reach 20A			Reach 20B
	Kern			Kern								
	AVEK	Municipal and Industrial	Agricultural	(Municipal and Industrial)	AVEK	AVEK	Metropolitan	Mojave	AVEK	Mojave	Palmdale	AVEK
[129]	[130]	[131]	[132]	[133]	[134]	[135]	[136]	[137]	[138]	[139]	[140]	
1962	0	0	0	0	0	0	0	0	0	0	0	
1963	0	0	0	0	0	0	0	0	0	0	0	
1964	0	0	0	0	0	0	0	0	0	0	0	
1965	0	0	0	0	0	0	0	0	0	0	0	
1966	0	0	0	0	0	0	0	0	0	0	0	
1967	0	0	0	0	0	0	0	0	0	0	0	
1968	0	0	0	0	0	0	0	0	0	0	0	
1969	0	0	0	0	0	0	0	0	0	0	0	
1970	0	0	0	0	0	0	0	0	0	0	0	
1971	0	0	0	0	0	0	0	0	0	0	0	
1972	0	0	4,768	0	0	0	0	0	0	0	0	
1973	0	0	1,961	0	0	0	0	0	0	0	0	
1974	0	3,000	1,564	0	0	1,223	0	0	0	0	0	
1975	0	3,200	9,867	0	0	7,622	0	420	0	0	0	
1976	0	3,500	11,667	0	3,808	23,063	0	471	0	0	416	
1977	0	3,420	685	0	1,231	8,927	0	773	0	0	271	
1978	0	7,989	1,655	0	1,321	36,333	0	5,549	0	0	934	
1979	0	2,813	15,808	0	2,098	49,910	0	7,555	0	0	930	
1980	0	2,700	16,145	0	2,610	61,534	0	7,605	0	0	655	
1981	0	2,636	18,156	0	2,340	65,690	0	10,333	0	0	966	
1982	0	1,921	16,577	0	1,669	41,127	0	7,313	0	0	8	
1983	0	1,400	17,907	0	43	26,377	0	6,253	0	0	20	
1984	0	1,338	24,246	0	90	22,462	0	9,558	0	0	2	
1985	0	1,309	16,820	0	8	23,440	0	11,613	0	1,510	217	
1986	0	1,213	15,559	0	8	16,898	0	13,808	0	3,041	0	
1987	0	1,665	10,170	0	0	15,958	0	15,493	0	2,389	151	
1988	0	1,925	8,987	0	0	13,471	0	17,117	0	366	281	
1989	0	2,668	8,649	0	0	18,007	0	23,481	0	381	112	
1990	0	2,819	8,608	0	0	17,281	0	25,843	0	282	84	
1991	2,000	2,588	343	0	0	728	0	4,282	1,391	84	131	
1992	0	2,087	8,275	0	0	7,238	0	18,518	1,310	185	650	
1993	0	2,494	9,167	0	0	13,340	0	23,662	1,514	164	996	
1994	0	3,011	13,877	0	0	19,122	0	25,250	1,399	299	124	
1995	0	3,188	15,042	0	0	20,222	0	22,385	1,227	328	0	
1996	0	2,573	18,142	0	0	23,919	0	26,979	1,316	354	0	
1997	0	3,997	17,048	0	0	28,834	0	64	27,999	1,272	313	
1998	0	3,751	17,032	0	0	22,466	0	1,345	25,985	0	195	
1999	0	3,316	24,071	0	0	30,944	0	1,439	32,409	0	377	
2000	0	3,015	20,919	0	0	34,786	0	1,361	37,819	0	80	
2001	0	1,894	13,476	0	0	24,370	0	1,385	33,216	0	282	
2002	0	4,227	14,520	0	0	14,297	0	1,370	36,311	0	1,662	
2003	0	1,168	16,799	0	0	12,145	0	1,285	39,532	0	2,289	
2004	0	2,239	19,714	0	0	11,201	0	1,223	40,408	0	1,774	
2005	0	167	18,353	0	11	11,804	0	1,051	41,496	0	1,336	
2006	0	279	22,570	0	0	18,438	0	1,021	53,878	0	1,415	
2007	0	204	26,229	0	0	22,916	0	1,176	47,639	0	1,349	
2008	0	3,834	18,426	0	0	9,096	0	1,238	33,919	0	792	
2009	0	1,531	19,517	0	0	5,717	0	1,345	35,402	0	366	
2010	0	1,033	19,829	0	0	10,825	0	1,181	43,122	0	643	
2011	0	3,808	17,957	0	0	55,707	0	2,184	35,543	0	507	
2012	0	3,453	19,842	0	0	41,053	0	1,306	33,390	0	901	
2013	0	148	21,311	4	16	13,414	0	1,095	33,507	0	693	
2014	0	0	18,673	1	0	621	0	41	15,761	1,004	744	
2015	0	2,407	16,214	0	0	0	0	0	12,447	1,023	447	
2016	0	1,324	21,278	0	11	15,374	14	0	20,506	984	677	
2017	0	9,959	34,213	0	2,050	61,350	25	846	40,356	117	250	
<b>2018</b>	<b>0</b>	<b>8,777</b>	<b>14,733</b>	<b>0</b>	<b>568</b>	<b>4,762</b>	<b>0</b>	<b>1,032</b>	<b>66,260</b>	<b>0</b>	<b>819</b>	
2019	0	8,777	14,733	0	627	5,240	0	1,032	67,817	0	902	
2020	0	8,777	14,733	0	689	5,765	0	1,032	69,529	0	992	
2021	0	8,777	14,733	0	758	6,341	0	1,032	71,414	0	1,092	
2022	0	8,777	14,733	0	758	6,341	0	1,032	71,414	0	1,092	
2023	0	8,777	14,733	0	758	6,341	0	1,032	71,414	0	1,092	
2024	0	8,777	14,733	0	758	6,341	0	1,032	71,414	0	1,092	
2025	0	8,777	14,733	0	758	6,341	0	1,032	71,414	0	1,092	
2026	0	8,777	14,733	0	758	6,341	0	1,032	71,414	0	1,092	
2027	0	8,777	14,733	0	758	6,341	0	1,032	71,414	0	1,092	
2028	0	8,777	14,733	0	758	6,341	0	1,032	71,414	0	1,092	
2029	0	8,777	14,733	0	758	6,341	0	1,032	71,414	0	1,092	
2030	0	8,777	14,733	0	758	6,341	0	1,032	71,414	0	1,092	
2031	0	8,777	14,733	0	758	6,341	0	1,032	71,414	0	1,092	
2032	0	8,777	14,733	0	758	6,341	0	1,032	71,414	0	1,092	
2033	0	8,777	14,733	0	758	6,341	0	1,032	71,414	0	1,092	
2034	0	8,777	14,733	0	758	6,341	0	1,032	71,414	0	1,092	
2035	0	8,777	14,733	0	758	6,341	0	1,032	71,414	0	1,092	
<b>TOTAL</b>	<b>2,000</b>	<b>271,197</b>	<b>957,830</b>	<b>5</b>	<b>30,568</b>	<b>1,090,132</b>	<b>39</b>	<b>40,532</b>	<b>2,279,722</b>	<b>12,557</b>	<b>10,518</b>	<b>43,916</b>

**TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)											
	MOJAVE DIVISION (continued)											
	Reach 20B (continued)		Reach 21			Reach 22A			Reach 22B			
	Littlerock	Palmdale	AVEK	Littlerock	Palmdale	AVEK	Littlerock	AVEK <sup>d</sup>	Coachella <sup>e</sup>	Desert <sup>e</sup>	Metropolitan <sup>e</sup>	Mojave
[141]	[142]	[143]	[144]	[145]	[146]	[147]	[148]	[149]	[150]	[151]	[152]	
1962	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	338	0	0	0	0	0	0	0	55
1973	0	0	0	290	0	0	0	0	5,800	9,000	(14,800)	0
1974	0	0	0	400	0	0	0	0	6,400	10,000	(16,400)	0
1975	0	0	0	520	0	0	0	0	7,000	11,000	(18,000)	0
1976	0	0	0	589	0	0	0	0	7,600	12,000	(19,600)	0
1977	0	0	0	111	0	0	0	0	0	0	0	22
1978	0	0	0	208	0	0	0	0	10,084	15,300	(25,384)	0
1979	0	0	0	133	0	0	0	0	10,063	15,000	(25,063)	4,000
1980	0	0	0	191	0	3	0	0	10,884	17,000	(27,884)	4,000
1981	0	0	0	1,270	0	46	0	0	12,105	19,000	(31,105)	4,000
1982	0	0	0	0	0	174	0	0	13,326	21,000	(34,326)	10,500
1983	0	0	0	38	0	268	0	0	14,547	23,000	(37,547)	0
1984	0	0	0	1	0	550	0	0	15,768	25,000	(40,768)	0
1985	0	32	0	0	16	1,786	0	0	16,989	27,000	(43,989)	0
1986	0	45	0	163	10	1,735	0	0	18,210	29,000	(47,210)	0
1987	0	1,624	0	1,080	1,366	2,273	5	214	19,431	31,500	(50,931)	17
1988	0	1,261	0	419	143	3,210	0	0	20,652	34,000	(54,652)	9
1989	0	7,848	0	971	780	3,591	0	89	21,873	36,500	(58,373)	0
1990	0	8,292	0	1,747	34	3,988	0	10	23,100	38,100	(61,200)	0
1991	0	3,830	0	522	0	2,427	0	0	6,930	11,430	(18,360)	0
1992	0	3,850	0	251	0	3,859	0	0	10,427	17,197	(27,624)	42
1993	0	7,597	0	734	0	5,098	0	0	0	0	0	0
1994	0	8,119	0	1,098	0	4,657	0	0	0	0	0	14,634
1995	0	6,633	0	480	0	4,679	0	0	0	0	0	7,495
1996	0	11,080	0	494	0	5,458	0	0	0	0	0	6,111
1997	0	11,548	0	444	0	5,549	0	0	0	0	0	9,038
1998	0	8,557	0	404	0	4,468	0	0	0	0	0	2,580
1999	0	12,901	0	342	0	5,684	0	0	0	0	0	6,705
2000	0	9,060	5,002	0	0	5,890	0	0	0	0	0	10,019
2001	0	10,427	0	0	0	4,989	0	0	0	0	0	3,048
2002	0	18,496	0	0	0	5,404	0	497	0	0	0	2,976
2003	0	11,547	0	0	0	6,063	0	0	0	0	7,625	13,150
2004	0	12,139	0	0	23	6,095	0	253	0	0	0	11,953
2005	0	11,678	0	0	34	5,184	0	0	0	0	5,942	12,169
2006	0	12,487	0	0	5	6,653	0	0	0	0	0	32,993
2007	0	19,609	0	0	25	7,711	0	588	0	0	0	27,684
2008	25	14,255	0	0	0	4,756	0	0	0	0	0	20,479
2009	42	15,339	0	0	0	4,185	0	0	0	0	0	20,214
2010	0	10,969	0	0	0	3,899	0	0	0	0	0	27,640
2011	0	9,881	0	0	0	2,289	0	0	0	0	30,907	2,915
2012	0	16,397	0	0	0	2,328	0	0	0	0	12,025	9,938
2013	0	10,567	0	0	0	3,227	0	118	0	0	0	5,888
2014	0	8,406	0	0	0	1,318	0	88	0	0	0	2,536
2015	0	5,836	0	0	0	1,298	0	116	0	0	0	7,807
2016	0	10,516	0	0	0	3,155	0	144	0	0	0	12,950
2017	0	14,733	0	1,182	0	2,579	0	126	0	0	0	9,358
2018	0	19,588	0	1,380	0	2,882	0	53	0	0	0	39,719
2019	0	19,588	0	1,380	0	3,169	0	59	0	0	0	40,769
2020	0	19,588	0	1,380	0	3,486	0	65	0	0	0	40,769
2021	0	19,588	0	1,380	0	3,835	0	71	0	0	0	40,769
2022	0	19,588	0	1,380	0	3,835	0	71	0	0	0	40,769
2023	0	19,588	0	1,380	0	3,835	0	71	0	0	0	40,769
2024	0	19,588	0	1,380	0	3,835	0	71	0	0	0	40,769
2025	0	19,588	0	1,380	0	3,835	0	71	0	0	0	40,769
2026	0	19,588	0	1,380	0	3,835	0	71	0	0	0	40,769
2027	0	19,588	0	1,380	0	3,835	0	71	0	0	0	40,769
2028	0	19,588	0	1,380	0	3,835	0	71	0	0	0	40,769
2029	0	19,588	0	1,380	0	3,835	0	71	0	0	0	40,769
2030	0	19,588	0	1,380	0	3,835	0	71	0	0	0	40,769
2031	0	19,588	0	1,380	0	3,835	0	71	0	0	0	40,769
2032	0	19,588	0	1,380	0	3,835	0	71	0	0	0	40,769
2033	0	19,588	0	1,380	0	3,835	0	71	0	0	0	40,769
2034	0	19,588	0	1,380	0	3,835	0	71	0	0	0	40,769
2035	0	19,588	0	1,380	0	3,835	0	71	0	0	0	40,769
<b>TOTAL</b>	<b>67</b>	<b>668,143</b>	<b>5,002</b>	<b>39,260</b>	<b>2,436</b>	<b>203,588</b>	<b>5</b>	<b>3,485</b>	<b>251,189</b>	<b>402,027</b>	<b>(596,717)</b>	<b>1,035,717</b>

<sup>d</sup> 1988 advance allocation.

<sup>e</sup> In accordance with the exchange agreement between the noted agencies, Metropolitan assumed responsibility for payment of variable OMP&R costs on the exchange water in reaches beyond Reach 22B, and Desert and Coachella for such costs from the Delta through Reach 22B. The adjustment in deliveries in Reach 22B provides for compliance with provisions for the repayment of costs under the agreement. In 1993 and after, the exchange takes place in Reach 26A.

**TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)										
	MOJAVE DIVISION (continued)						SANTA ANA DIVISION				
	Reach 22B	Reach 23	Reach 24			Reach 26A					
	Santa Barbara	Mojave	Crestline	Metropolitan <sup>e</sup>	Mojave	San Bernardino	Coachella <sup>e</sup>	Desert <sup>e</sup>	Metropolitan <sup>e</sup>	San Bernardino <sup>f</sup>	San Gabriel
[153]	[154]	[155]	[156]	[157]	[158]	[159]	[160]	[161]	[162]	[163]	
1962	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	464	0	0	0	0	0	0	1,275	0
1973	0	0	389	0	0	0	0	0	444	32,426	0
1974	0	14	627	0	0	0	0	0	84,981	16,605	612
1975	0	0	825	0	0	0	0	0	169,960	13,865	5,450
1976	0	0	1,002	0	0	0	0	0	215,312	12,273	6,071
1977	0	58	1,109	0	0	0	0	0	64,823	24,833	8,996
1978	0	0	1,209	0	0	0	0	0	297,708	4,055	7,771
1979	0	0	1,260	0	0	0	0	0	260,903	18	290
1980	0	0	1,239	0	0	0	0	0	300,345	0	1,085
1981	0	0	1,485	0	0	0	0	0	395,678	16,021	3,619
1982	0	0	1,238	0	0	0	0	0	214,566	8,409	12,599
1983	0	0	911	0	0	0	0	0	175,288	5,994	734
1984	0	0	1,128	0	0	0	0	0	122,311	5,556	7,656
1985	0	0	1,422	0	0	0	0	0	147,599	7,390	5,028
1986	0	0	1,506	0	0	0	0	0	215,265	6,421	9,454
1987	0	0	1,849	0	0	0	0	0	175,012	18,751	10,630
1988	0	0	2,006	0	0	0	0	0	247,101	21,386	8,948
1989	0	200	2,170	0	0	0	0	0	326,217	20,782	12,839
1990	0	0	1,827	0	0	0	0	0	399,387	18,831	16,649
1991	0	0	849	0	2,032	0	0	0	107,182	3,661	5,399
1992	0	0	519	0	9,334	0	0	0	219,524	3,358	7,908
1993	0	0	439	0	10,000	0	23,100	38,100	98,291	4,361	14,397
1994	0	0	785	0	819	0	14,102	23,257	192,979	9,135	15,230
1995	0	0	409	0	0	0	23,100	38,100	107,299	696	12,922
1996	0	0	485	0	0	0	62,219	102,622	73,438	6,064	15,989
1997	0	0	651	0	0	0	58,100	53,100	157,215	9,654	18,175
1998	0	0	187	0	0	0	78,100	58,100	36,770	1,878	9,310
1999	0	0	1,132	0	0	0	50,480	58,100	139,752	12,874	21,729
2000	0	0	1,194	0	0	0	42,323	58,234	326,647	0	15,140
2001	0	0	1,057	0	0	0	9,100	15,010	284,007	0	2,360
2002	0	0	2,189	0	0	0	16,755	27,640	301,700	26,399	24,851
2003	0	0	1,563	17,249	0	0	14,443	23,819	464,719	5,000	21,934
2004	0	0	2,006	0	0	0	15,465	21,190	428,316	40,000	12,541
2005	0	0	807	14,058	341	0	34,356	49,089	361,976	15,834	13,984
2006	0	0	641	0	0	0	121,100	50,000	404,594	20,000	16,284
2007	0	0	1,768	0	17,249	710	66,007	27,253	370,971	10,022	4,024
2008	0	0	848	0	3,679	411	40,171	24,643	210,520	187	7,212
2009	0	0	894	0	7,488	149	45,074	17,872	138,216	0	11,520
2010	0	0	357	0	9,331	26	53,866	18,398	463,654	20,008	19,180
2011	0	0	474	14,141	0	31	84,566	34,076	610,454	368	23,591
2012	0	0	624	2,994	0	0	98,793	33,806	362,047	50,723	22,058
2013	0	0	1,368	0	500	0	33,551	17,611	234,576	1,120	9,252
2014	0	0	1,233	0	0	202	9,966	3,049	95,402	1,345	1,200
2015	0	0	1,253	0	0	0	26,600	67	110,774	2,100	5,760
2016	1,124	0	1,084	0	8,350	76	59,654	21,893	427,649	3,974	16,088
2017	0	0	1,950	0	0	314	71,864	26,864	706,425	54	20,291
2018	0	0	3,480	0	0	400	81,568	0	289,538	0	17,280
2019	0	0	3,480	0	0	400	81,568	0	372,132	0	17,280
2020	0	0	3,480	0	0	400	81,568	0	372,132	0	17,280
2021	0	0	3,480	0	0	0	81,568	0	372,132	0	17,280
2022	0	0	3,480	0	0	0	81,568	0	372,132	0	17,280
2023	0	0	3,480	0	0	0	81,568	0	372,132	0	17,280
2024	0	0	3,480	0	0	0	81,568	0	372,132	0	17,280
2025	0	0	3,480	0	0	0	81,568	0	372,132	0	17,280
2026	0	0	3,480	0	0	0	81,568	0	372,132	0	17,280
2027	0	0	3,480	0	0	0	81,568	0	372,132	0	17,280
2028	0	0	3,480	0	0	0	81,568	0	372,132	0	17,280
2029	0	0	3,480	0	0	0	81,568	0	372,132	0	17,280
2030	0	0	3,480	0	0	0	81,568	0	372,132	0	17,280
2031	0	0	3,480	0	0	0	81,568	0	372,132	0	17,280
2032	0	0	3,480	0	0	0	81,568	0	372,132	0	17,280
2033	0	0	3,480	0	0	0	81,568	0	372,132	0	17,280
2034	0	0	3,480	0	0	0	81,568	0	372,132	0	17,280
2035	0	0	3,480	0	0	0	81,568	0	372,132	0	17,280
<b>TOTAL</b>	<b>1,124</b>	<b>272</b>	<b>113,072</b>	<b>48,442</b>	<b>69,123</b>	<b>3,119</b>	<b>2,621,079</b>	<b>841,893</b>	<b>17,863,779</b>	<b>483,706</b>	<b>797,800</b>

<sup>e</sup> In accordance with the exchange agreement between the noted agencies, Metropolitan assumed responsibility for payment of variable OMP&R costs on the exchange water in reaches beyond Reach 22B, and Desert and Coachella for such costs from the Delta through Reach 22B. The adjustment in deliveries in Reach 22B provides for compliance with provisions for the repayment of costs under the agreement. In 1993 and after, the exchange takes place in Reach 26A.

<sup>f</sup> Includes 1,650 acre-feet recaptured from groundwater storage in 1982, 10,000 acre-feet in 1987, and 8,749 acre-feet in 1988. This water was stored under DWR's Ground Water Demonstration Program.

TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)

Calendar Year	CALIFORNIA AQUEDUCT (continued)											
	SANTA ANA DIVISION (continued)											
	Reach 28G	Reach 28H			Reach 28J				Reach EBX1			Reach EBX2C
	Metropolitan	Coachella	Desert	Metropolitan	Coachella	Desert	Metropolitan	Coachella	Metropolitan	San Bernardino	San Bernardino	
[164]	[165]	[166]	[167]	[168]	[169]	[170]	[171]	[172]	[173]	[174]		
1962	0	0	0	0	0	0	0	0	0	0	0	
1963	0	0	0	0	0	0	0	0	0	0	0	
1964	0	0	0	0	0	0	0	0	0	0	0	
1965	0	0	0	0	0	0	0	0	0	0	0	
1966	0	0	0	0	0	0	0	0	0	0	0	
1967	0	0	0	0	0	0	0	0	0	0	0	
1968	0	0	0	0	0	0	0	0	0	0	0	
1969	0	0	0	0	0	0	0	0	0	0	0	
1970	0	0	0	0	0	0	0	0	0	0	0	
1971	0	0	0	0	0	0	0	0	0	0	0	
1972	0	0	0	0	0	0	0	0	0	0	0	
1973	18,942	0	0	0	0	0	0	0	0	0	0	
1974	0	0	0	0	0	0	0	0	0	0	0	
1975	0	0	0	0	0	0	251	0	0	0	0	
1976	0	0	0	55	0	0	2,000	0	0	0	0	
1977	0	0	0	43	0	0	2,442	0	0	0	0	
1978	0	0	0	48	0	0	64,054	0	0	0	0	
1979	0	0	0	1,290	0	0	94,353	0	0	0	0	
1980	0	0	0	3,013	0	0	91,532	0	0	0	0	
1981	0	0	0	4,365	0	0	149,405	0	0	0	0	
1982	0	0	0	3,961	0	0	155,629	0	0	0	0	
1983	0	0	0	6,645	0	0	41,616	0	0	0	0	
1984	0	0	0	109,743	0	0	5,672	0	0	0	0	
1985	0	0	0	182,781	0	0	6,538	0	0	0	0	
1986	0	0	0	131,439	0	0	30,071	0	0	0	0	
1987	0	0	0	144,743	0	0	26,315	0	0	0	0	
1988	0	0	0	199,641	0	0	22,209	0	0	0	0	
1989	0	0	0	247,430	0	0	51,462	0	0	0	0	
1990	0	0	0	257,796	0	0	36,060	0	0	0	0	
1991	0	0	0	38,832	0	0	5,958	0	0	0	0	
1992	0	0	0	85,341	0	0	12,223	0	0	0	0	
1993	0	0	0	61,841	0	0	4,588	0	0	0	0	
1994	0	0	0	134,262	0	0	4,725	0	0	0	0	
1995	0	0	0	117,762	0	0	21,099	0	0	0	0	
1996	0	0	0	144,906	0	0	12,418	0	0	0	0	
1997	0	0	0	107,853	0	0	47,777	0	0	0	0	
1998	0	6,582	7,708	77,473	1,027	4,839	50,411	0	0	0	0	
1999	0	0	0	206,689	0	0	8,163	0	0	0	0	
2000	0	0	0	379,713	0	0	7,864	0	5,466	18,399	0	
2001	0	0	0	260,984	0	0	33,414	0	0	26,488	0	
2002	0	0	0	340,635	0	0	41,552	0	1,427	37,069	0	
2003	0	0	0	246,485	0	0	50,776	0	74,496	16,703	1,793	
2004	0	0	0	357,995	0	0	20,437	0	120,338	13,229	1,430	
2005	0	0	0	242,245	0	0	114,499	8,163	153,700	12,715	966	
2006	0	0	0	342,734	0	0	32,242	0	147,432	11,832	885	
2007	0	7,221	2,981	271,874	0	0	48,923	0	94,208	38,151	3,130	
2008	0	6,620	1,785	175,460	0	0	10,432	0	16,745	25,038	686	
2009	0	948	391	126,265	0	0	5,849	0	18,314	25,041	4,090	
2010	0	30,415	12,257	129,145	1,311	528	65,439	0	0	19,190	617	
2011	0	5,713	2,303	213,215	0	0	51,638	0	0	19,578	699	
2012	0	16,575	8,266	86,266	2,219	3,029	36,875	0	0	27,534	3,177	
2013	0	28,232	3,180	45,039	4,756	0	40,494	0	0	19,850	3,034	
2014	0	1,103	0	0	1,801	0	998	0	0	4,610	375	
2015	0	10,996	9,611	25,883	0	1,539	977	0	0	15,970	382	
2016	0	9,768	0	72,825	0	0	30,785	0	0	46,546	3,649	
2017	0	4,301	0	339,724	11,959	4,817	52,825	0	0	61,207	244	
2018	0	1,442	33,450	233,504	0	0	0	0	0	58,658	0	
2019	0	1,442	33,450	233,504	0	0	0	0	0	61,160	0	
2020	0	1,442	33,450	233,504	0	0	0	0	0	61,160	0	
2021	0	1,442	33,450	233,504	0	0	0	0	0	61,560	0	
2022	0	1,442	33,450	233,504	0	0	0	0	0	61,560	0	
2023	0	1,442	33,450	233,504	0	0	0	0	0	61,560	0	
2024	0	1,442	33,450	233,504	0	0	0	0	0	61,560	0	
2025	0	1,442	33,450	233,504	0	0	0	0	0	61,560	0	
2026	0	1,442	33,450	233,504	0	0	0	0	0	61,560	0	
2027	0	1,442	33,450	233,504	0	0	0	0	0	61,560	0	
2028	0	1,442	33,450	233,504	0	0	0	0	0	61,560	0	
2029	0	1,442	33,450	233,504	0	0	0	0	0	61,560	0	
2030	0	1,442	33,450	233,504	0	0	0	0	0	61,560	0	
2031	0	1,442	33,450	233,504	0	0	0	0	0	61,560	0	
2032	0	1,442	33,450	233,504	0	0	0	0	0	61,560	0	
2033	0	1,442	33,450	233,504	0	0	0	0	0	61,560	0	
2034	0	1,442	33,450	233,504	0	0	0	0	0	61,560	0	
2035	0	1,442	33,450	233,504	0	0	0	0	0	61,560	0	
<b>TOTAL</b>	<b>18,942</b>	<b>154,430</b>	<b>650,582</b>	<b>10,127,511</b>	<b>23,073</b>	<b>14,752</b>	<b>1,592,990</b>	<b>8,163</b>	<b>632,126</b>	<b>1,543,528</b>	<b>25,157</b>	



TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)

Calendar Year	CALIFORNIA AQUEDUCT (continued)											
	SANTA ANA DIVISION (continued)			WEST BRANCH								
	Reach EBX3A	Reach EBX4B-G	Reach EBX4B	Reach 29A	Reach 29F	Reach 29H		Reach 30				San Bernardino
	San Bernardino	San Gorgonio	San Gorgonio	AVEK	AVEK	Castaic Lake	Ventura	Castaic Lake	Coachella	Desert	Metropolitan <sup>9</sup>	San Bernardino
[175]	[176]	[177]	[178]	[179]	[180]	[181]	[182]	[183]	[184]	[185]	[186]	
1962	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	53	0	0	0	0	0	71,938	0
1973	0	0	0	0	20	0	0	0	0	0	155,297	0
1974	0	0	0	0	36	0	0	0	0	0	209,136	0
1975	0	0	0	0	26	0	0	0	0	0	374,280	0
1976	0	0	0	0	24	0	0	0	0	0	420,684	0
1977	0	0	0	0	0	0	0	0	0	0	122,447	0
1978	0	0	0	0	0	0	0	0	0	0	171,139	0
1979	0	0	0	0	0	0	0	7	0	0	145,591	0
1980	0	0	0	0	0	0	0	1,210	0	0	164,721	0
1981	0	0	0	0	0	0	0	5,761	0	0	277,503	0
1982	0	0	0	0	0	0	0	9,516	0	0	351,362	0
1983	0	0	0	0	0	0	0	9,476	0	0	157,519	0
1984	0	0	0	0	0	0	0	11,477	0	0	260,624	0
1985	0	0	0	0	0	0	0	12,401	0	0	390,696	0
1986	0	0	0	0	0	0	0	13,928	0	0	379,275	0
1987	0	0	0	0	0	0	0	16,167	0	0	417,285	0
1988	0	0	0	0	0	0	0	18,904	0	0	488,265	0
1989	0	0	0	0	0	0	0	21,719	0	0	589,962	0
1990	0	0	0	0	0	0	4,836	22,139	0	0	764,380	0
1991	0	0	0	0	0	0	988	3,846	0	0	257,835	0
1992	0	0	0	0	0	0	0	14,812	0	0	420,849	0
1993	0	0	0	0	6	0	0	13,787	0	0	437,470	0
1994	0	0	0	0	0	0	0	14,919	0	0	475,900	0
1995	0	0	0	0	0	0	0	17,747	0	0	139,882	0
1996	0	0	0	0	0	0	0	18,448	0	0	267,618	0
1997	0	0	0	0	11	0	0	22,842	10,240	16,890	271,379	0
1998	0	0	0	0	7	0	0	19,782	0	0	187,277	0
1999	0	0	0	0	0	0	0	28,813	0	0	327,001	0
2000	0	0	0	0	0	0	2,200	31,085	0	0	632,991	0
2001	0	0	0	0	0	0	0	30,701	0	0	444,764	0
2002	0	0	0	0	0	0	0	3,148	42,080	0	723,605	8,601
2003	2,617	0	116	0	0	6,768	3,150	44,967	0	0	678,964	0
2004	2,371	0	841	0	0	0	4,047	47,463	0	0	797,294	0
2005	2,035	0	692	0	0	0	0	36,747	0	0	538,839	0
2006	2,614	3,471	807	0	0	0	0	40,017	0	0	574,679	0
2007	5,103	3,758	177	0	0	0	1,890	45,919	0	0	711,831	0
2008	8,823	3,863	1,042	0	0	0	1,980	42,878	0	0	485,156	0
2009	10,066	4,499	1,898	0	0	0	3,150	38,784	0	0	589,294	0
2010	9,538	2,555	5,685	0	0	0	3,150	31,288	0	0	376,877	0
2011	9,384	1,213	9,290	0	0	0	2,520	31,445	0	0	375,921	0
2012	9,604	0	11,010	0	24	0	3,150	36,153	0	0	553,244	0
2013	8,081	0	9,445	0	47	0	2,242	44,126	0	0	565,849	0
2014	4,424	0	5,044	0	0	0	0	29,448	0	0	275,992	0
2015	5,928	0	3,481	0	0	0	630	29,189	0	0	435,892	0
2016	8,431	0	10,816	0	0	0	1,890	31,888	0	0	509,583	0
2017	2,154	0	11,970	388	517	0	1,890	54,527	0	0	168,709	0
2018	0	1,200	9,180	0	568	0	1,890	55,120	0	0	369,201	0
2019	0	1,600	8,780	0	627	0	1,890	55,120	0	0	369,201	0
2020	0	2,000	8,380	0	689	0	1,890	55,120	0	0	369,201	0
2021	0	2,400	7,980	0	758	0	1,890	55,120	0	0	369,201	0
2022	0	2,400	7,980	0	758	0	1,890	55,120	0	0	369,201	0
2023	0	2,400	7,980	0	758	0	1,890	55,120	0	0	369,201	0
2024	0	2,400	7,980	0	758	0	1,890	55,120	0	0	369,201	0
2025	0	2,400	7,980	0	758	0	1,890	55,120	0	0	369,201	0
2026	0	2,400	7,980	0	758	0	1,890	55,120	0	0	369,201	0
2027	0	2,400	7,980	0	758	0	1,890	55,120	0	0	369,201	0
2028	0	2,400	7,980	0	758	0	1,890	55,120	0	0	369,201	0
2029	0	2,400	7,980	0	758	0	1,890	55,120	0	0	369,201	0
2030	0	2,400	7,980	0	758	0	1,890	55,120	0	0	369,201	0
2031	0	2,400	7,980	0	758	0	1,890	55,120	0	0	369,201	0
2032	0	2,400	7,980	0	758	0	1,890	55,120	0	0	369,201	0
2033	0	2,400	7,980	0	758	0	1,890	55,120	0	0	369,201	0
2034	0	2,400	7,980	0	758	0	1,890	55,120	0	0	369,201	0
2035	0	2,400	7,980	0	758	0	1,890	55,120	0	0	369,201	0
<b>TOTAL</b>	<b>91,173</b>	<b>60,159</b>	<b>218,354</b>	<b>388</b>	<b>14,025</b>	<b>6,768</b>	<b>74,881</b>	<b>1,978,566</b>	<b>10,240</b>	<b>16,890</b>	<b>24,782,417</b>	<b>8,601</b>

<sup>9</sup> Deliveries exclude 6,171 acre-feet of 1982 exchange water.

TABLE B-5A Annual Water Quantities Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)

Calendar Year	CALIFORNIA AQUEDUCT (continued)											GRAND TOTAL
	WEST BRANCH		COASTAL BRANCH								Total	
	Reach 30 (continued)		Reach 31A					Reach 33A				
	Santa Barbara	Ventura	AVEK	Castaic Lake	Dudley Ridge	Kern		Kings	San Luis Obispo	Santa Barbara		
Municipal and Industrial						Agricultural						
	[187]	[188]	[189]	[190]	[191]	[192]	[193]	[194]	[195]	[196]	[197]	[198]
1962	0	0	0	0	0	0	0	0	0	0	0	8,906
1963	0	0	0	0	0	0	0	0	0	0	0	12,645
1964	0	0	0	0	0	0	0	0	0	0	0	20,911
1965	0	0	0	0	0	0	0	0	0	0	0	34,026
1966	0	0	0	0	0	0	0	0	0	0	0	54,913
1967	0	0	0	0	0	0	0	0	0	0	0	56,763
1968	0	0	0	7,382	0	0	71,657	0	0	0	192,188	294,457
1969	0	0	0	9,970	0	0	52,094	0	0	0	195,705	268,104
1970	0	0	0	11,739	0	0	71,910	0	0	0	276,211	369,459
1971	0	0	0	12,490	0	0	98,481	0	0	0	553,081	654,442
1972	0	0	0	13,905	0	0	107,850	0	0	0	895,006	1,037,770
1973	0	0	0	9,418	0	0	69,227	0	0	0	638,930	737,532
1974	0	0	0	9,700	0	0	68,474	0	0	0	783,984	878,947
1975	0	0	0	10,700	0	0	74,516	0	0	0	1,129,728	1,230,830
1976	0	0	0	11,700	0	0	78,358	0	0	0	1,245,662	1,380,124
1977	0	0	0	5,075	0	0	35,504	0	0	0	465,442	582,381
1978	0	0	0	11,362	0	0	81,242	0	0	0	1,339,268	1,458,733
1979	0	0	0	19,138	0	0	104,017	0	0	0	1,537,075	1,666,457
1980	0	0	0	13,882	0	0	97,497	0	0	0	1,413,363	1,536,456
1981	0	0	0	12,700	0	0	97,054	0	0	0	1,779,479	1,918,563
1982	0	0	0	12,700	0	0	83,076	0	0	0	1,641,571	1,750,862
1983	0	0	0	12,659	0	0	87,859	0	0	0	1,089,626	1,187,156
1984	0	0	0	12,741	0	0	119,098	0	0	0	1,489,814	1,591,416
1985	0	0	0	12,099	0	0	110,124	0	0	0	1,863,544	1,990,295
1986	0	0	0	13,301	0	0	118,298	0	0	0	1,882,290	1,999,155
1987	0	0	0	11,821	0	0	116,259	0	0	0	1,984,570	2,131,608
1988	0	0	0	11,534	0	0	109,435	0	0	0	2,221,538	2,385,122
1989	0	0	0	14,645	0	0	102,156	0	0	0	2,686,838	2,853,747
1990	0	0	0	6,440	0	0	103,362	0	0	0	2,398,121	2,582,151
1991	1,240	0	0	716	0	0	780	0	0	0	489,489	549,113
1992	0	0	0	5,887	0	0	73,748	0	0	0	1,374,775	1,471,454
1993	0	0	0	4,157	0	0	90,764	0	0	0	2,173,352	2,315,235
1994	0	0	0	9,422	0	200	77,536	0	0	0	1,727,504	1,861,976
1995	0	0	0	9,486	0	0	85,050	0	0	0	1,926,835	2,031,423
1996	0	0	0	14,052	0	0	100,578	0	0	0	2,429,928	2,543,472
1997	0	1,850	0	4,870	0	0	97,020	0	1,099	7,439	2,263,966	2,405,444
1998	0	1,850	0	311	0	0	86,879	0	3,592	18,618	1,657,381	1,764,963
1999	0	1,850	0	4,086	0	0	92,095	0	3,743	20,137	2,755,025	2,898,961
2000	0	1,850	0	8,395	0	0	85,215	0	3,962	22,741	3,390,079	3,569,072
2001	0	1,850	0	1,238	0	0	63,448	0	4,283	18,946	2,034,350	2,175,194
2002	0	1,850	0	2,737	0	0	65,055	0	4,355	27,636	2,738,943	2,909,555
2003	0	1,850	0	4,001	0	0	65,691	0	4,453	26,968	3,151,625	3,327,811
2004	0	1,203	0	3,776	0	0	66,498	0	4,165	29,705	3,050,652	3,230,590
2005	0	1,665	0	2,709	4,684	0	68,190	0	4,251	23,344	3,597,829	3,753,874
2006	0	1,850	0	2,735	0	0	85,214	0	4,209	23,275	3,526,551	3,693,938
2007	0	1,110	0	6,071	0	0	93,954	49	3,776	27,740	3,088,763	3,284,475
2008	0	1,818	0	0	0	17,059	68,385	0	3,402	18,393	1,978,428	2,152,219
2009	0	741	0	1	0	0	83,255	0	3,801	15,452	2,065,868	2,227,564
2010	0	925	0	768	2,967	0	81,047	276	3,757	17,775	2,690,242	2,832,658
2011	0	1,480	0	1,746	200	0	86,594	238	3,819	21,050	3,510,684	3,666,432
2012	0	1,203	33,511	2,404	0	0	50,050	0	3,944	19,474	2,726,325	2,881,783
2013	0	648	0	6,128	0	0	82,887	0	3,681	18,018	2,023,225	2,224,875
2014	0	93	0	0	0	0	74,406	0	3,206	16,757	1,111,222	1,242,286
2015	0	370	0	0	7,500	0	71,616	0	3,438	11,673	1,339,811	1,497,970
2016	0	1,110	1,489	0	0	0	86,363	0	4,199	27,182	2,197,340	2,353,293
2017	0	1,110	0	990	0	0	42,827	778	4,559	37,889	2,867,854	3,027,572
2018	0	1,110	0	2,000	0	0	52,810	183	12,477	27,291	2,293,512	2,469,634
2019	0	1,110	0	2,000	0	0	52,810	183	13,269	27,291	2,297,973	2,474,005
2020	0	1,110	0	2,000	0	0	52,810	183	13,345	27,291	2,300,775	2,476,855
2021	0	1,110	0	2,000	0	0	52,810	183	13,357	27,291	2,303,889	2,479,921
2022	0	1,110	0	2,000	0	0	52,810	183	13,357	27,291	2,303,889	2,479,921
2023	0	1,110	0	2,000	0	0	52,810	183	13,357	27,291	2,303,889	2,479,921
2024	0	1,110	0	2,000	0	0	52,810	183	13,357	27,291	2,303,889	2,479,921
2025	0	1,110	0	2,000	0	0	52,810	183	13,357	27,291	2,303,889	2,479,921
2026	0	1,110	0	2,000	0	0	52,810	183	13,357	27,291	2,303,889	2,479,921
2027	0	1,110	0	2,000	0	0	52,810	183	13,357	27,291	2,303,889	2,479,921
2028	0	1,110	0	2,000	0	0	52,810	183	13,357	27,291	2,303,889	2,479,921
2029	0	1,110	0	2,000	0	0	52,810	183	13,357	27,291	2,303,889	2,479,921
2030	0	1,110	0	2,000	0	0	52,810	183	13,357	27,291	2,303,889	2,479,921
2031	0	1,110	0	2,000	0	0	52,810	183	13,357	27,291	2,303,889	2,479,921
2032	0	1,110	0	2,000	0	0	52,810	183	13,357	27,291	2,303,889	2,479,921
2033	0	1,110	0	2,000	0	0	52,810	183	13,357	27,291	2,303,889	2,479,921
2034	0	1,110	0	2,000	0	0	52,810	183	13,357	27,291	2,303,889	2,479,921
2035	0	1,110	0	2,000	0	0	52,810	183	13,357	27,291	2,303,889	2,479,921
<b>TOTAL</b>	<b>1,240</b>	<b>48,256</b>	<b>35,000</b>	<b>399,787</b>	<b>15,351</b>	<b>17,259</b>	<b>5,033,273</b>	<b>4,635</b>	<b>319,140</b>	<b>941,450</b>	<b>135,041,675</b>	<b>145,186,442</b>

## Tables B-5A-Adj through B-31

Note: Where applicable, the projected data values shown in this appendix are shaded and the bill year data are in **bold** type.

**TABLE B-5A-Adj Annual Water Quantity Adjustments to Water Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT												
	SAN LUIS DIVISION												
	Reach 1	Reach 3A											
	Santa Clara	Alameda-Zone 7	Alameda County	AVEK	Castaic Lake	Crestline	Dudley Ridge	Kern (Agricultural)	Kings	Metropolitan	Mojave	Palmdale	San Bernardino
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	
1962	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	(11,135)	0	0	0	0	0
2001	0	0	0	0	0	0	0	(11,487)	0	0	0	0	0
2002	0	0	0	0	0	0	0	(9,332)	0	0	0	0	0
2003	0	0	0	0	0	0	0	(18,428)	0	0	0	0	0
2004	0	0	0	0	0	0	0	(866)	0	0	0	0	0
2005	0	0	0	0	0	0	(576)	(20,082)	0	0	0	0	0
2006	0	0	0	0	0	0	0	(20,239)	0	0	0	0	0
2007	0	0	0	0	0	0	0	(9,867)	0	0	0	0	0
2008	(8,885)	0	0	0	0	0	0	(99,439)	0	0	0	0	0
2009	0	0	0	(5,926)	(38)	(1)	(28)	(88,699)	0	(815)	(5)	(15)	(21)
2010	0	0	0	0	(3,300)	0	0	(87,370)	0	(177,476)	0	0	0
2011	0	0	0	0	0	0	0	(56,909)	0	(106,423)	0	0	0
2012	0	0	0	0	0	0	(6,068)	(60,762)	0	0	0	0	0
2013	0	0	0	0	0	0	0	(11,846)	0	0	0	0	0
2014	0	0	0	(32)	(34)	(5)	(36)	(114,007)	(2)	(789)	(6)	(14)	(23)
2015	0	(6,264)	(8,763)	(6)	(7)	(1)	(16,796)	(76,141)	0	(159)	(1)	(3)	(5)
2016	0	(1,904)	(4,677)	0	0	0	0	(69,891)	0	0	0	0	0
2017	0	0	0	0	(8,376)	0	(14,831)	(3,695)	0	(69,151)	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>(8,885)</b>	<b>(8,168)</b>	<b>(13,440)</b>	<b>(5,964)</b>	<b>(11,755)</b>	<b>(7)</b>	<b>(38,335)</b>	<b>(770,195)</b>	<b>(2)</b>	<b>(354,813)</b>	<b>(12)</b>	<b>(32)</b>	<b>(49)</b>

**TABLE B-5A-Adj Annual Water Quantity Adjustments to Water Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Sheet 2 of 5

Calendar Year	CALIFORNIA AQUEDUCT (continued)												
	SAN LUIS DIVISION (continued)								SOUTH SAN JOAQUIN DIVISION				
	Reach 3A (continued)							Reach 4		Reach 7		REACH 10A	
	San Gabriel	San Gorgonio	San Luis Obispo	Santa Barbara	Santa Clara	Tulare	Ventura	Kern (Agricultural)	Tulare	Kern (Agricultural)	Tulare	Alameda-Zone 7	Alameda County
[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	
1962	0	0	0	0	0	0	0	0	0	0	0	0	
1963	0	0	0	0	0	0	0	0	0	0	0	0	
1964	0	0	0	0	0	0	0	0	0	0	0	0	
1965	0	0	0	0	0	0	0	0	0	0	0	0	
1966	0	0	0	0	0	0	0	0	0	0	0	0	
1967	0	0	0	0	0	0	0	0	0	0	0	0	
1968	0	0	0	0	0	0	0	0	0	0	0	0	
1969	0	0	0	0	0	0	0	0	0	0	0	0	
1970	0	0	0	0	0	0	0	0	0	0	0	0	
1971	0	0	0	0	0	0	0	0	0	0	0	0	
1972	0	0	0	0	0	0	0	0	0	0	0	0	
1973	0	0	0	0	0	0	0	0	0	0	0	0	
1974	0	0	0	0	0	0	0	0	0	0	0	0	
1975	0	0	0	0	0	0	0	0	0	0	0	0	
1976	0	0	0	0	0	0	0	0	0	0	0	0	
1977	0	0	0	0	0	0	0	0	0	0	0	0	
1978	0	0	0	0	0	0	0	0	0	0	0	0	
1979	0	0	0	0	0	0	0	0	0	0	0	0	
1980	0	0	0	0	0	0	0	0	0	0	0	0	
1981	0	0	0	0	0	0	0	0	0	0	0	0	
1982	0	0	0	0	0	0	0	0	0	0	0	0	
1983	0	0	0	0	0	0	0	0	0	0	0	0	
1984	0	0	0	0	0	0	0	0	0	0	0	0	
1985	0	0	0	0	0	0	0	0	0	0	0	0	
1986	0	0	0	0	0	0	0	0	0	0	0	0	
1987	0	0	0	0	0	0	0	0	0	0	0	0	
1988	0	0	0	0	0	0	0	0	0	0	0	0	
1989	0	0	0	0	0	0	0	0	0	0	0	0	
1990	0	0	0	0	0	0	0	0	0	0	0	0	
1991	0	0	0	0	0	0	0	0	0	0	0	0	
1992	0	0	0	0	0	0	0	0	0	0	0	0	
1993	0	0	0	0	0	0	0	0	0	0	0	0	
1994	0	0	0	0	0	0	0	0	0	0	0	0	
1995	0	0	0	0	0	0	0	0	0	0	0	0	
1996	0	0	0	0	0	0	0	0	0	0	0	0	
1997	0	0	0	0	0	0	0	0	0	0	0	0	
1998	0	0	0	0	0	0	0	0	0	0	0	0	
1999	0	0	0	0	0	0	0	0	0	0	0	0	
2000	0	0	0	0	0	0	(12,806)	0	(24,167)	(2,981)	0	0	
2001	0	0	0	0	0	0	0	0	0	(25,164)	(1,807)	0	
2002	0	0	0	0	0	0	0	0	0	0	0	0	
2003	0	0	0	0	0	0	0	0	0	0	0	0	
2004	0	0	0	0	0	(4,000)	0	(6,020)	0	0	0	0	
2005	0	0	0	0	(20,000)	(277)	0	0	0	0	0	0	
2006	0	0	0	0	(53,573)	0	0	0	0	0	0	0	
2007	0	0	0	0	0	0	0	0	0	0	0	(5,000)	
2008	0	0	0	0	(3,681)	0	0	0	0	0	(7,000)	(10,000)	
2009	(4)	(4)	(2)	(19)	(1,000)	(49)	(1)	0	0	0	0	(3,083)	
2010	0	0	0	0	(44,668)	(17,551)	0	0	0	0	0	0	
2011	0	0	0	0	(51,404)	(11,096)	0	0	0	0	0	0	
2012	0	0	0	0	0	(9,366)	0	0	0	0	0	0	
2013	0	0	0	0	0	(6,054)	0	0	0	0	(4,000)	(4,000)	
2014	(6)	(13)	(134)	(926)	0	(8)	0	0	0	0	(8,074)	(13,652)	
2015	(1)	(3)	(27)	(187)	(21,076)	0	0	0	0	0	(11,185)	(14,115)	
2016	0	0	0	0	(6,706)	0	0	0	0	0	(324)	0	
2017	0	0	0	(7,230)	0	0	0	0	0	0	0	0	
2018	0	0	0	0	0	0	0	0	0	0	0	0	
2019	0	0	0	0	0	0	0	0	0	0	0	0	
2020	0	0	0	0	0	0	0	0	0	0	0	0	
2021	0	0	0	0	0	0	0	0	0	0	0	0	
2022	0	0	0	0	0	0	0	0	0	0	0	0	
2023	0	0	0	0	0	0	0	0	0	0	0	0	
2024	0	0	0	0	0	0	0	0	0	0	0	0	
2025	0	0	0	0	0	0	0	0	0	0	0	0	
2026	0	0	0	0	0	0	0	0	0	0	0	0	
2027	0	0	0	0	0	0	0	0	0	0	0	0	
2028	0	0	0	0	0	0	0	0	0	0	0	0	
2029	0	0	0	0	0	0	0	0	0	0	0	0	
2030	0	0	0	0	0	0	0	0	0	0	0	0	
2031	0	0	0	0	0	0	0	0	0	0	0	0	
2032	0	0	0	0	0	0	0	0	0	0	0	0	
2033	0	0	0	0	0	0	0	0	0	0	0	0	
2034	0	0	0	0	0	0	0	0	0	0	0	0	
2035	0	0	0	0	0	0	0	0	0	0	0	0	
<b>TOTAL</b>	<b>(11)</b>	<b>(20)</b>	<b>(163)</b>	<b>(8,362)</b>	<b>(202,108)</b>	<b>(48,401)</b>	<b>(1)</b>	<b>(12,806)</b>	<b>(6,020)</b>	<b>(24,167)</b>	<b>(28,145)</b>	<b>(32,390)</b>	<b>(49,850)</b>

**TABLE B-5A-Adj Annual Water Quantity Adjustments to Water Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)											
	SOUTH SAN JOAQUIN DIVISION (continued)											
	Reach 10A (continued)						Reach 12E					
	Castaic Lake	Desert	Kern (Agricultural)	Metropolitan	San Bernardino	Santa Clara	Alameda-Zone 7	AVEK	Castaic Lake	Coachella	Desert	Kern (Agricultural)
[27]	[28]	[29]	[30]	[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	
1962	0	0	0	0	0	0	0	0	0	0	0	
1963	0	0	0	0	0	0	0	0	0	0	0	
1964	0	0	0	0	0	0	0	0	0	0	0	
1965	0	0	0	0	0	0	0	0	0	0	0	
1966	0	0	0	0	0	0	0	0	0	0	0	
1967	0	0	0	0	0	0	0	0	0	0	0	
1968	0	0	0	0	0	0	0	0	0	0	0	
1969	0	0	0	0	0	0	0	0	0	0	0	
1970	0	0	0	0	0	0	0	0	0	0	0	
1971	0	0	0	0	0	0	0	0	0	0	0	
1972	0	0	0	0	0	0	0	0	0	0	0	
1973	0	0	0	0	0	0	0	0	0	0	0	
1974	0	0	0	0	0	0	0	0	0	0	0	
1975	0	0	0	0	0	0	0	0	0	0	0	
1976	0	0	0	0	0	0	0	0	0	0	0	
1977	0	0	0	0	0	0	0	0	0	0	0	
1978	0	0	0	0	0	0	0	0	0	0	0	
1979	0	0	0	0	0	0	0	0	0	0	0	
1980	0	0	0	0	0	0	0	0	0	0	0	
1981	0	0	0	0	0	0	0	0	0	0	0	
1982	0	0	0	0	0	0	0	0	0	0	0	
1983	0	0	0	0	0	0	0	0	0	0	0	
1984	0	0	0	0	0	0	0	0	0	0	0	
1985	0	0	0	0	0	0	0	0	0	0	0	
1986	0	0	0	0	0	0	0	0	0	0	0	
1987	0	0	0	0	0	0	0	0	0	0	0	
1988	0	0	0	0	0	0	0	0	0	0	0	
1989	0	0	0	0	0	0	0	0	0	0	0	
1990	0	0	0	0	0	0	0	0	0	0	0	
1991	0	0	0	0	0	0	0	0	0	0	0	
1992	0	0	0	0	0	0	0	0	0	0	0	
1993	0	0	0	0	0	0	0	0	0	0	0	
1994	0	0	0	0	0	0	0	0	0	0	0	
1995	0	0	0	0	0	0	0	0	0	0	0	
1996	0	0	0	0	0	0	0	0	0	0	0	
1997	0	0	0	0	0	0	0	0	0	0	0	
1998	0	0	0	0	0	0	0	0	0	0	0	
1999	0	0	0	0	0	0	0	0	0	0	0	
2000	0	0	0	0	0	0	0	0	0	0	0	
2001	0	0	(1,813)	(31,500)	0	(30,000)	0	0	0	0	0	
2002	0	0	0	0	0	0	0	0	0	0	(14,638)	
2003	0	0	0	(10,000)	0	0	0	0	0	0	(5,170)	
2004	0	0	(3)	(93,555)	0	0	0	0	0	0	0	
2005	0	0	0	0	0	0	0	0	0	0	0	
2006	0	0	0	0	0	0	0	0	0	0	0	
2007	0	0	(12,469)	(93,986)	0	(20,000)	0	(11,000)	0	0	(16,618)	
2008	0	(4,864)	0	(99,024)	0	(10,000)	0	(8,393)	(11,000)	(3,000)	(3,486)	
2009	(4,950)	0	(7,733)	(65,499)	0	(27,319)	0	(6,393)	(11,000)	(3,000)	0	
2010	0	0	(56)	0	0	0	0	(2,750)	(8,393)	0	(43,833)	
2011	0	0	0	0	0	0	0	0	0	0	(14,223)	
2012	0	0	0	0	0	(17,000)	0	0	0	(4,000)	0	
2013	0	0	(24,626)	(37,544)	0	(27,308)	0	0	0	(16,500)	0	
2014	(4,951)	0	(7,476)	(30,049)	(694)	(29,134)	(5,901)	0	(13,824)	(5,000)	0	
2015	0	0	(20,190)	(32,517)	0	(40,572)	(5,029)	0	(13,993)	(9,500)	0	
2016	0	0	(626)	(12,440)	0	(1,122)	0	0	(5,940)	(16,500)	0	
2017	0	0	0	0	0	0	0	0	0	0	0	
2018	0	0	0	0	0	0	0	0	0	0	0	
2019	0	0	0	0	0	0	0	0	0	0	0	
2020	0	0	0	0	0	0	0	0	0	0	0	
2021	0	0	0	0	0	0	0	0	0	0	0	
2022	0	0	0	0	0	0	0	0	0	0	0	
2023	0	0	0	0	0	0	0	0	0	0	0	
2024	0	0	0	0	0	0	0	0	0	0	0	
2025	0	0	0	0	0	0	0	0	0	0	0	
2026	0	0	0	0	0	0	0	0	0	0	0	
2027	0	0	0	0	0	0	0	0	0	0	0	
2028	0	0	0	0	0	0	0	0	0	0	0	
2029	0	0	0	0	0	0	0	0	0	0	0	
2030	0	0	0	0	0	0	0	0	0	0	0	
2031	0	0	0	0	0	0	0	0	0	0	0	
2032	0	0	0	0	0	0	0	0	0	0	0	
2033	0	0	0	0	0	0	0	0	0	0	0	
2034	0	0	0	0	0	0	0	0	0	0	0	
2035	0	0	0	0	0	0	0	0	0	0	0	
<b>TOTAL</b>	<b>(9,901)</b>	<b>(4,864)</b>	<b>(74,992)</b>	<b>(506,114)</b>	<b>(694)</b>	<b>(202,455)</b>	<b>(10,930)</b>	<b>(14,786)</b>	<b>(69,507)</b>	<b>(65,893)</b>	<b>(3,486)</b>	<b>(562,787)</b>

**TABLE B-5A-Adj Annual Water Quantity Adjustments to Water Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)											
	SOUTH SAN JOAQUIN DIVISION (continued)											
	Reach 12E (continued)			Reach 13B								Reach 14B
	Metropolitan	San Bernardino	Santa Clara	Alameda-Zone 7	Alameda County	Dudley Ridge	Kern (Agricultural)	Metropolitan	Palmdale	San Bernardino	Santa Clara	Kern (Agricultural)
[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]	[47]	[48]	[49]	[50]	
1962	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0
2001	(20,800)	0	0	0	0	0	(132,228)	0	0	0	0	(396)
2002	0	0	0	0	0	0	(22,161)	0	0	0	0	0
2003	(5,073)	0	0	0	0	0	(15,316)	(24,523)	0	0	0	0
2004	(17,765)	0	0	0	0	0	(43,985)	(4,813)	0	0	0	0
2005	0	0	0	0	0	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0	0	0	0	0	0
2007	(5,000)	0	0	0	0	0	(257,750)	0	(4,926)	0	0	0
2008	(8,402)	0	0	0	0	0	(228,579)	(25,721)	0	0	0	0
2009	(14,516)	0	(6,134)	0	0	0	(186,044)	0	0	0	0	(1,706)
2010	(52,413)	0	0	0	0	0	(59,451)	0	0	0	0	(1,867)
2011	(23,419)	0	0	0	0	0	(29,041)	0	0	0	0	0
2012	0	0	0	0	0	(6,068)	(103,364)	0	0	0	0	(73)
2013	(31,478)	(1,500)	0	0	0	0	(160,286)	(1,033)	0	0	(17,692)	(264)
2014	(9,882)	(400)	0	(931)	(1,088)	(16,789)	(161,077)	(17,184)	0	(3,906)	(5,253)	(6,898)
2015	(6,899)	0	(288)	(1,600)	(2,097)	(14,460)	(112,780)	(21,935)	0	0	(4,625)	(10,554)
2016	(23,389)	0	0	0	0	0	(28,033)	0	0	0	0	(8,376)
2017	(6,400)	0	0	0	0	0	(6,841)	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>(225,436)</b>	<b>(1,900)</b>	<b>(6,422)</b>	<b>(2,531)</b>	<b>(3,185)</b>	<b>(37,317)</b>	<b>(1,546,936)</b>	<b>(95,209)</b>	<b>(4,926)</b>	<b>(3,906)</b>	<b>(27,570)</b>	<b>(30,134)</b>

**TABLE B-5A-Adj Annual Water Quantity Adjustments to Water Delivered from Each Aqueduct Reach to Each Contractor (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)									GRAND TOTAL
	SOUTH SAN JOAQUIN DIVISION (continued)				MOJAVE DIVISION				SANTA ANA DIVISION	
	Reach 14C		Reach 15A	Reach 16A	Reach 22A	Reach 22B		Reach 24	Reach EBX2C	
	Kern (Agricultural)	Metropolitan	Kern (Agricultural)	Kern (Agricultural)	AVEK	AVEK	Metropolitan	Metropolitan	San Bernardino	
[51]	[52]	[53]	[54]	[55]	[56]	[57]	[58]	[59]	[60]	
1962	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	(51,089)
2001	(242)	0	0	0	0	(152)	0	0	0	(255,589)
2002	0	0	0	0	0	0	0	0	0	(46,131)
2003	0	(12,380)	0	0	0	0	0	0	0	(90,890)
2004	0	(25,512)	0	0	0	0	0	0	(844)	(197,363)
2005	0	0	0	0	0	0	0	0	(7)	(40,942)
2006	0	0	0	0	0	0	0	0	(2)	(73,814)
2007	0	(24,225)	0	0	0	0	(8,751)	(17,249)	0	(486,841)
2008	0	(37,602)	0	0	0	0	(4,816)	(3,679)	(6)	(681,260)
2009	(5,168)	(54,948)	(2,788)	(444)	0	0	0	(7,488)	(11)	(609,996)
2010	(4,761)	(32,758)	(2,913)	0	0	0	0	(2,891)	0	(542,451)
2011	0	(16,065)	0	0	0	0	0	0	0	(308,580)
2012	(862)	(10,010)	(405)	0	0	0	0	0	0	(230,793)
2013	(4,691)	(33,205)	(406)	0	0	0	0	0	0	(416,788)
2014	(10,773)	(47,358)	(5,962)	0	(1,046)	0	0	0	0	(614,333)
2015	(11,108)	(70,200)	(5,560)	0	(1,516)	0	0	0	0	(597,090)
2016	(4,939)	(29,819)	(3,549)	0	(947)	0	0	0	0	(283,566)
2017	0	(5,863)	0	0	0	0	0	0	0	(122,387)
<b>2018</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
2019	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>(42,544)</b>	<b>(399,945)</b>	<b>(21,583)</b>	<b>(444)</b>	<b>(3,509)</b>	<b>(152)</b>	<b>(13,567)</b>	<b>(31,307)</b>	<b>(870)</b>	<b>(5,649,903)</b>



## Tables B-5B through B-31

Note: Where applicable, the projected data values shown in this appendix are shaded and the bill year data are in **bold** type.

TABLE B-5B Annual Water Quantities Delivered to Each Contractor (acre-feet)

Calendar Year	NORTH BAY AREA			SOUTH BAY AREA <sup>a</sup>				CENTRAL COASTAL AREA		
	Napa <sup>b</sup>	Solano	Total	Alameda-Zone 7	Alameda County	Santa Clara	Total	San Luis Obispo	Santa Barbara	Total
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]
1962	0	0	0	494	8,412	0	8,906	0	0	0
1963	0	0	0	1,731	10,914	0	12,645	0	0	0
1964	0	0	0	1,673	19,238	0	20,911	0	0	0
1965	0	0	0	2,605	16,407	15,014	34,026	0	0	0
1966	0	0	0	5,511	14,864	34,538	54,913	0	0	0
1967	0	0	0	4,780	12,882	39,101	56,763	0	0	0
1968	1,214	0	1,214	6,133	24,817	70,105	101,055	0	0	0
1969	2,687	0	2,687	6,635	813	62,264	69,712	0	0	0
1970	3,618	0	3,618	9,249	0	80,311	89,560	0	0	0
1971	2,521	0	2,521	5,017	5,961	87,606	98,584	0	0	0
1972	3,647	0	3,647	10,489	27,671	100,266	138,426	0	0	0
1973	3,792	0	3,792	2,975	2,521	88,582	94,078	0	0	0
1974	4,870	0	4,870	1,314	4	88,000	89,318	0	0	0
1975	6,840	0	6,840	4,618	986	88,000	93,604	0	0	0
1976	7,122	0	7,122	17,131	21,300	88,000	126,431	0	0	0
1977	8,226	0	8,226	12,644	18,840	76,220	107,704	0	0	0
1978	6,034	0	6,034	10,984	5,863	95,727	112,574	0	0	0
1979	6,561	0	6,561	19,325	10,874	91,991	122,190	0	0	0
1980	6,707	0	6,707	16,790	11,034	88,000	115,824	0	0	0
1981	9,001	0	9,001	19,590	21,917	88,000	129,507	0	0	0
1982	1,213	0	1,213	13,123	6,316	88,000	107,439	0	0	0
1983	2,287	0	2,287	4,766	3,157	86,733	94,656	0	0	0
1984	2,923	0	2,923	6,784	3,338	88,000	98,122	0	0	0
1985	4,039	0	4,039	15,072	19,016	88,000	122,088	0	0	0
1986	3,519	1,400	4,919	10,609	12,379	88,000	110,988	0	0	0
1987	7,693	1,550	9,243	23,406	25,390	88,000	136,796	0	0	0
1988	5,392	9,726	15,118	25,830	33,464	87,961	147,255	0	0	0
1989	6,195	17,256	23,451	26,227	26,042	90,000	142,269	0	0	0
1990	6,940	19,131	26,071	33,034	31,703	92,000	156,737	0	0	0
1991	1,380	6,972	8,352	9,411	12,648	28,200	50,259	0	1,240	1,240
1992	4,001	14,773	18,774	14,669	19,153	42,839	76,661	0	0	0
1993	5,286	29,180	34,466	33,635	10,271	62,065	105,971	0	0	0
1994	6,792	25,256	32,048	20,542	22,911	57,115	100,568	0	0	0
1995	5,182	21,345	26,527	30,091	17,793	28,756	76,640	0	0	0
1996	4,893	29,999	34,892	18,903	19,662	89,850	128,415	100	0	100
1997	4,341	33,530	37,871	27,522	24,063	95,601	147,186	1,199	7,439	8,638
1998	5,359	29,766	35,125	17,941	19,075	63,410	100,426	3,592	18,618	22,210
1999	5,304	34,753	40,057	50,910	37,652	82,945	171,507	3,743	20,137	23,880
2000	4,958	37,015	41,973	58,617	35,978	101,988	196,583	3,962	22,741	26,703
2001	9,345	34,586	43,931	34,409	18,004	77,922	130,335	4,283	18,946	23,229
2002	6,875	38,560	45,435	53,261	27,811	62,186	143,258	4,355	27,636	31,991
2003	7,646	33,951	41,597	45,450	36,590	108,981	191,021	4,453	26,968	31,421
2004	8,134	43,002	51,136	52,364	27,884	59,458	139,706	4,165	29,705	33,870
2005	7,669	37,819	45,488	47,512	44,599	128,249	220,360	4,251	23,344	27,595
2006	7,789	35,516	43,305	54,527	43,079	128,210	225,816	4,209	23,275	27,484
2007	10,957	47,300	58,257	40,157	24,391	75,382	139,930	3,776	27,740	31,516
2008	13,292	41,320	54,612	41,186	22,902	59,160	123,248	3,402	18,393	21,795
2009	10,904	30,950	41,854	31,087	19,496	76,363	126,946	3,801	15,452	19,253
2010	12,417	30,816	43,233	47,343	22,571	107,871	177,785	3,757	17,775	21,532
2011	11,314	27,995	39,309	52,726	36,610	129,062	218,398	3,819	21,050	24,869
2012	9,907	29,347	39,254	55,239	20,831	63,794	139,864	3,944	19,474	23,418
2013	12,538	35,869	48,407	44,856	23,640	84,623	153,119	3,681	18,018	21,699
2014	14,164	19,679	33,843	34,296	30,066	67,446	131,808	3,206	16,757	19,963
2015	11,199	23,836	35,035	32,432	27,259	82,888	142,579	3,438	11,673	15,111
2016	8,993	23,605	32,598	53,484	27,357	107,164	188,005	4,199	35,536	39,735
2017	11,166	37,738	48,904	47,016	23,506	76,329	146,851	4,559	53,473	58,032
<b>2018</b>	<b>17,415</b>	<b>28,654</b>	<b>46,069</b>	<b>48,371</b>	<b>25,200</b>	<b>62,502</b>	<b>136,073</b>	<b>12,477</b>	<b>27,291</b>	<b>39,768</b>
2019	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,269	27,291	40,560
2020	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,345	27,291	40,636
2021	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,357	27,291	40,648
2022	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,357	27,291	40,648
2023	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,357	27,291	40,648
2024	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,357	27,291	40,648
2025	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,357	27,291	40,648
2026	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,357	27,291	40,648
2027	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,357	27,291	40,648
2028	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,357	27,291	40,648
2029	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,357	27,291	40,648
2030	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,357	27,291	40,648
2031	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,357	27,291	40,648
2032	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,357	27,291	40,648
2033	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,357	27,291	40,648
2034	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,357	27,291	40,648
2035	17,415	28,654	46,069	48,371	25,200	60,000	133,571	13,357	27,291	40,648
<b>TOTAL</b>	<b>648,316</b>	<b>1,399,313</b>	<b>2,047,629</b>	<b>2,238,803</b>	<b>1,545,525</b>	<b>5,308,778</b>	<b>9,093,106</b>	<b>319,340</b>	<b>966,628</b>	<b>1,285,968</b>

<sup>a</sup> For the period June 1962 through November 1967, deliveries were supplied by non-project water.

<sup>b</sup> For the period 1968 through 1987, deliveries are non-project water pumped through an interim facility.

**TABLE B-5B Annual Water Quantities Delivered to Each Contractor (acre-feet)**

Sheet 2 of 4

Calendar Year	SAN JOAQUIN VALLEY AREA								
	Dudley Ridge	Empire	Kern			Kings	Oak Flat	Tulare	Total
			Municipal and Industrial	Agricultural	Total				
[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	
1962	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0
1968	26,360	1,978	0	127,384	127,384	900	3,084	25,100	184,806
1969	31,375	56	0	141,265	141,265	100	3,016	9,923	185,735
1970	40,407	3,942	0	204,634	204,634	0	5,911	9,578	264,472
1971	41,053	5,990	0	360,151	360,151	3,700	7,212	122,485	540,591
1972	42,443	5,795	0	490,781	490,781	1,400	8,166	258,393	806,978
1973	22,057	3,000	0	341,469	341,469	1,500	3,214	50,464	421,704
1974	33,390	3,000	23,708	323,292	347,000	1,500	3,471	72,289	460,650
1975	40,555	3,000	14,529	396,291	410,820	1,600	3,576	86,258	545,809
1976	41,421	3,000	46,719	392,531	439,250	1,600	4,112	58,811	548,194
1977	11,153	738	27,882	163,425	191,307	1,530	1,472	18,081	224,281
1978	51,747	454	76,895	590,452	667,347	2,070	3,906	12,053	737,577
1979	38,544	1,739	62,997	683,049	746,046	2,000	6,149	155,121	949,599
1980	41,000	894	45,943	588,557	634,500	2,200	5,700	75,444	759,738
1981	41,000	5,859	75,758	615,642	691,400	2,300	4,300	83,438	828,297
1982	41,000	361	47,477	697,823	745,300	1,750	3,838	18,551	810,800
1983	42,900	0	6,854	587,653	594,507	3,550	3,822	1,006	645,785
1984	45,100	0	90,904	769,696	860,600	3,100	5,700	5,743	920,243
1985	46,251	5,197	88,515	800,381	888,896	3,400	5,433	109,791	1,058,968
1986	50,249	1,170	77,240	829,101	906,341	3,700	5,107	79,355	1,045,922
1987	46,288	2,525	117,174	852,731	969,905	4,000	5,625	93,084	1,121,427
1988	47,994	3,475	122,409	887,111	1,009,520	4,000	4,412	95,866	1,165,267
1989	57,049	3,000	123,896	1,022,166	1,146,062	4,000	6,091	127,950	1,344,152
1990	36,296	1,279	127,837	584,611	712,448	2,000	2,922	57,070	812,015
1991	927	221	33,122	8,965	42,087	0	141	2,180	45,556
1992	23,770	1,354	62,326	420,894	483,220	1,806	2,239	46,728	559,117
1993	50,618	2,741	128,316	1,039,614	1,167,930	4,000	4,858	124,468	1,354,615
1994	28,793	1,666	87,139	570,020	657,159	2,116	3,071	62,362	755,167
1995	60,686	1,631	135,415	1,016,114	1,151,529	4,000	5,169	101,869	1,324,884
1996	56,948	1,868	135,654	1,049,409	1,185,063	4,000	4,904	236,875	1,489,658
1997	71,308	0	120,708	987,451	1,108,159	0	5,238	22,369	1,207,074
1998	55,650	542	89,765	768,825	858,590	15	4,401	20,677	939,875
1999	59,697	3,176	138,153	1,039,985	1,178,138	4,000	4,871	289,735	1,539,617
2000	60,539	1,799	40,697	1,183,440	1,224,137	3,600	4,508	201,294	1,495,877
2001	41,902	1,360	3,116	651,175	654,291	1,560	3,592	84,726	787,431
2002	48,915	1,405	12,589	812,870	825,459	2,854	4,885	96,502	980,020
2003	46,082	1,436	47,070	917,160	964,230	3,692	4,266	105,841	1,125,547
2004	49,080	3,562	126,933	712,193	839,126	9,053	4,629	90,021	995,471
2005	79,005	3,834	69,594	1,328,387	1,397,981	19,806	4,194	140,279	1,645,099
2006	72,080	3,282	98,199	1,164,671	1,262,870	9,530	4,242	108,207	1,460,211
2007	45,135	2,084	79,144	949,601	1,028,745	5,746	3,567	87,083	1,172,360
2008	22,174	947	24,572	702,099	726,671	3,836	1,985	33,904	789,517
2009	21,237	1,034	2,912	779,826	782,738	3,391	1,993	36,836	847,229
2010	27,967	3,259	8,183	689,917	698,100	4,679	2,906	70,238	807,149
2011	60,560	1,915	37,112	1,169,231	1,206,343	6,556	2,715	63,141	1,341,230
2012	30,450	2,242	27,500	778,144	805,644	7,405	3,208	95,717	944,666
2013	27,046	1,567	33,501	711,840	745,341	4,645	2,820	48,361	829,780
2014	40,535	516	1	516,001	516,002	1,256	1,520	8,934	568,763
2015	41,733	624	11,976	508,842	520,818	1,229	1,077	17,336	582,817
2016	20,908	1,822	9,633	627,693	637,326	3,660	1,855	42,387	707,958
2017	59,313	1,800	65,337	735,868	801,205	6,214	1,974	61,022	931,528
<b>2018</b>	<b>28,568</b>	<b>1,800</b>	<b>72,707</b>	<b>525,095</b>	<b>597,802</b>	<b>5,583</b>	<b>3,420</b>	<b>52,483</b>	<b>689,656</b>
2019	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2020	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2021	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2022	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2023	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2024	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2025	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2026	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2027	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2028	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2029	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2030	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2031	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2032	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2033	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2034	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
2035	28,568	1,800	72,707	525,095	597,802	5,583	3,420	52,483	689,656
<b>TOTAL</b>	<b>2,632,914</b>	<b>136,539</b>	<b>4,114,130</b>	<b>43,742,141</b>	<b>47,856,271</b>	<b>271,043</b>	<b>258,627</b>	<b>4,869,640</b>	<b>56,025,034</b>

**TABLE B-5B Annual Water Quantities Delivered to Each Contractor (acre-feet)**

Calendar Year	SOUTHERN CALIFORNIA AREA									
	AVEK	Castaic Lake <sup>c</sup>	Coachella	Crestline	Desert	Littlerock	Mojave	Palmdale	San Bernardino	San Gabriel
	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]
1962	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0
1968	0	7,382	0	0	0	0	0	0	0	0
1969	0	9,970	0	0	0	0	0	0	0	0
1970	0	11,739	0	0	0	0	0	0	0	0
1971	0	12,490	0	0	0	0	0	0	0	0
1972	53	13,905	0	464	0	338	55	0	1,275	0
1973	20	9,418	5,800	389	9,000	290	0	0	32,426	0
1974	1,259	9,700	6,400	627	10,000	400	14	0	16,605	612
1975	8,068	10,700	7,000	825	11,000	520	0	0	13,865	5,450
1976	27,782	11,700	7,600	1,002	12,000	589	0	0	12,273	6,071
1977	11,202	5,075	0	1,109	0	111	80	0	24,833	8,996
1978	44,137	11,362	10,084	1,209	15,300	208	0	0	4,055	7,771
1979	60,493	19,145	10,063	1,260	15,000	133	4,000	0	18	290
1980	72,407	15,092	10,884	1,239	17,000	191	4,000	0	0	1,085
1981	79,375	18,461	12,105	1,485	19,000	1,270	4,000	0	16,021	3,619
1982	50,291	22,216	13,326	1,238	21,000	0	10,500	0	8,409	12,599
1983	32,961	22,135	14,547	911	23,000	38	0	0	5,994	734
1984	32,662	24,218	15,768	1,128	25,000	1	0	0	5,556	7,656
1985	37,064	24,500	16,989	1,422	27,000	0	0	1,558	7,390	5,028
1986	32,449	27,229	18,210	1,506	29,000	163	0	3,096	6,421	9,454
1987	34,089	27,988	19,431	1,849	31,500	1,085	17	5,379	18,751	10,630
1988	34,079	30,438	20,652	2,006	34,000	419	9	1,770	21,386	8,948
1989	45,280	36,364	21,873	2,170	36,500	971	200	9,009	20,782	12,839
1990	47,206	28,579	23,100	1,827	38,100	1,747	0	8,608	18,831	16,649
1991	9,568	4,562	6,930	849	11,430	522	3,423	3,914	3,661	5,399
1992	30,265	20,699	10,427	519	17,197	251	10,686	4,035	3,358	7,908
1993	43,102	23,039	23,100	439	38,100	734	11,514	7,761	4,361	14,397
1994	49,153	26,441	14,102	785	23,257	1,098	16,852	8,418	9,135	15,230
1995	47,286	27,233	23,100	409	38,100	480	8,722	6,961	696	12,922
1996	56,356	32,500	62,219	485	102,622	494	7,427	11,434	6,064	15,989
1997	62,393	27,712	68,340	651	69,990	444	10,374	11,861	9,654	18,175
1998	52,926	20,093	85,709	187	70,647	404	3,925	8,752	1,878	9,310
1999	69,073	32,899	50,480	1,132	58,100	342	8,144	13,278	12,874	21,729
2000	83,577	40,680	42,323	1,194	58,234	0	11,380	9,060	18,399	15,140
2001	62,857	31,939	9,100	1,057	15,010	0	4,433	10,427	26,488	2,360
2002	58,171	68,817	16,755	2,189	27,640	0	4,346	18,496	72,069	24,851
2003	60,029	55,736	14,443	1,563	23,819	0	14,435	11,547	26,113	21,934
2004	59,731	83,761	15,465	2,006	21,190	0	13,176	12,162	57,030	12,541
2005	59,831	59,456	42,519	807	49,089	0	13,561	11,712	31,550	13,984
2006	80,384	62,752	121,100	641	50,000	0	34,014	12,492	35,331	16,284
2007	80,203	60,190	73,228	1,768	30,234	0	46,109	19,634	57,116	4,024
2008	54,436	42,878	46,791	848	26,428	25	25,396	14,255	35,145	7,212
2009	45,670	42,085	46,022	894	18,263	42	29,047	15,339	39,346	11,520
2010	58,489	57,900	85,592	357	31,183	0	38,152	10,969	49,379	19,180
2011	94,046	33,191	90,279	474	36,379	0	5,099	16,881	38,126	23,591
2012	111,207	50,473	117,587	624	45,101	0	11,244	18,897	112,972	22,058
2013	51,022	61,754	66,539	1,368	20,791	0	7,483	10,567	32,085	9,252
2014	18,532	29,448	12,870	1,233	3,049	0	3,581	8,406	10,956	1,200
2015	14,308	29,189	37,596	1,253	11,217	0	8,830	5,836	24,380	5,760
2016	41,356	37,828	69,422	1,084	21,893	0	22,284	10,516	62,676	16,088
2017	109,248	85,857	88,124	1,950	31,681	1,182	10,321	14,983	63,973	20,291
<b>2018</b>	<b>75,912</b>	<b>57,120</b>	<b>83,010</b>	<b>3,480</b>	<b>33,450</b>	<b>1,380</b>	<b>40,751</b>	<b>19,588</b>	<b>59,058</b>	<b>17,280</b>
2019	78,441	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2020	81,215	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2021	84,269	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2022	84,269	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2023	84,269	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2024	84,269	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2025	84,269	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2026	84,269	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2027	84,269	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2028	84,269	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2029	84,269	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2030	84,269	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2031	84,269	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2032	84,269	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2033	84,269	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2034	84,269	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
2035	84,269	57,120	83,010	3,480	33,450	1,380	41,801	19,588	61,560	17,280
<b>TOTAL</b>	<b>3,713,699</b>	<b>2,587,078</b>	<b>3,068,174</b>	<b>113,072</b>	<b>1,926,144</b>	<b>39,332</b>	<b>1,158,201</b>	<b>690,597</b>	<b>2,185,284</b>	<b>797,800</b>

<sup>c</sup> Devil's Den Water District merged with Castaic Lake Water Agency effective January 1, 1992.

TABLE B-5B Annual Water Quantities Delivered to Each Contractor (acre-feet)

Calendar Year	SOUTHERN CALIFORNIA AREA (continued)				FEATHER RIVER AREA				South Bay Area Future Contractor	GRAND TOTAL
	San Gorgonio	Metropolitan	Ventura	Total	Yuba City	Butte	Plumas	Total		
	[30]	[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]
1962	0	0	0	0	0	0	0	0	0	8,906
1963	0	0	0	0	0	0	0	0	0	12,645
1964	0	0	0	0	0	0	0	0	0	20,911
1965	0	0	0	0	0	0	0	0	0	34,026
1966	0	0	0	0	0	0	0	0	0	54,913
1967	0	0	0	0	0	0	0	0	0	56,763
1968	0	0	0	7,382	0	0	0	0	0	294,457
1969	0	0	0	9,970	0	0	0	0	0	268,104
1970	0	0	0	11,739	0	0	70	70	0	369,459
1971	0	0	0	12,490	0	192	64	256	0	654,442
1972	0	71,938	0	88,028	0	186	505	691	0	1,037,770
1973	0	159,883	0	217,226	0	53	679	732	0	737,532
1974	0	277,717	0	323,334	0	127	648	775	0	878,947
1975	0	526,491	0	583,919	0	253	405	658	0	1,230,830
1976	0	618,451	0	697,468	0	527	382	909	0	1,380,124
1977	0	189,755	0	241,161	0	706	303	1,009	0	582,381
1978	0	507,565	0	601,691	0	579	278	857	0	1,458,733
1979	0	477,074	0	587,476	0	302	329	631	0	1,666,457
1980	0	531,727	0	653,625	0	267	295	562	0	1,536,456
1981	0	795,846	0	951,182	0	221	355	576	0	1,918,563
1982	0	691,192	0	830,771	0	334	305	639	0	1,750,862
1983	0	343,521	0	443,841	0	325	262	587	0	1,187,156
1984	0	457,582	0	569,571	108	177	272	557	0	1,591,416
1985	0	683,625	0	804,576	62	308	254	624	0	1,990,295
1986	0	708,840	0	836,368	328	313	317	958	0	1,999,155
1987	0	712,424	0	863,143	88	459	452	999	0	2,131,608
1988	0	902,564	0	1,056,271	303	385	523	1,211	0	2,385,122
1989	0	1,156,698	0	1,342,686	403	300	486	1,189	0	2,853,747
1990	0	1,396,423	4,836	1,585,906	494	380	548	1,422	0	2,582,151
1991	0	391,447	988	442,693	265	328	420	1,013	0	549,113
1992	0	710,313	0	815,658	642	117	485	1,244	0	1,471,454
1993	0	652,190	0	818,737	746	256	444	1,446	0	2,315,235
1994	0	807,866	0	972,337	1,035	329	492	1,856	0	1,861,976
1995	0	436,042	0	601,951	910	203	308	1,421	0	2,031,423
1996	0	593,380	0	888,970	820	257	360	1,437	0	2,543,472
1997	0	721,810	1,850	1,003,254	1,005	185	231	1,421	0	2,405,444
1998	0	410,065	1,850	665,746	1,054	527	0	1,581	0	1,764,963
1999	0	852,617	1,850	1,122,518	1,096	286	0	1,382	0	2,898,961
2000	0	1,522,412	4,050	1,806,449	901	586	0	1,487	0	3,569,072
2001	0	1,023,169	1,850	1,188,690	1,065	513	0	1,578	0	2,175,194
2002	0	1,408,919	4,998	1,707,251	1,181	419	0	1,600	0	2,909,555
2003	116	1,701,615	5,000	1,936,350	1,324	551	0	1,875	0	3,327,811
2004	841	1,724,380	5,250	2,007,533	1,434	1,440	0	2,874	0	3,230,590
2005	692	1,528,045	1,665	1,812,911	1,894	527	0	2,421	0	3,753,874
2006	4,278	1,512,186	1,850	1,931,312	5,342	468	0	5,810	0	3,693,938
2007	3,935	1,499,688	3,000	1,879,129	2,327	956	0	3,283	0	3,284,475
2008	4,905	898,313	3,798	1,160,430	1,923	451	243	2,617	0	2,152,219
2009	6,397	930,871	3,891	1,189,387	2,114	581	200	2,895	0	2,227,564
2010	8,240	1,416,062	4,075	1,779,578	2,331	807	243	3,381	0	2,832,658
2011	10,503	1,686,570	4,000	2,039,139	2,297	1,092	98	3,487	0	3,666,432
2012	11,010	1,224,907	4,353	1,730,433	2,695	1,374	79	4,148	0	2,881,783
2013	9,445	892,550	2,890	1,165,746	4,850	908	366	6,124	0	2,224,875
2014	5,044	387,392	93	481,804	4,237	1,617	251	6,105	0	1,242,286
2015	3,481	573,526	1,000	716,376	3,004	2,763	285	6,052	0	1,497,970
2016	10,816	1,083,900	3,000	1,380,863	1,229	2,518	387	4,134	0	2,353,293
2017	11,970	1,392,292	3,000	1,834,872	3,649	2,968	768	7,385	0	3,027,572
<b>2018</b>	<b>10,380</b>	<b>1,146,900</b>	<b>3,000</b>	<b>1,551,309</b>	<b>5,760</b>	<b>268</b>	<b>731</b>	<b>6,759</b>	<b>0</b>	<b>2,469,634</b>
2019	10,380	1,146,900	3,000	1,557,390	5,760	268	731	6,759	0	2,474,005
2020	10,380	1,146,900	3,000	1,560,164	5,760	268	731	6,759	0	2,476,855
2021	10,380	1,146,900	3,000	1,563,218	5,760	268	731	6,759	0	2,479,921
2022	10,380	1,146,900	3,000	1,563,218	5,760	268	731	6,759	0	2,479,921
2023	10,380	1,146,900	3,000	1,563,218	5,760	268	731	6,759	0	2,479,921
2024	10,380	1,146,900	3,000	1,563,218	5,760	268	731	6,759	0	2,479,921
2025	10,380	1,146,900	3,000	1,563,218	5,760	268	731	6,759	0	2,479,921
2026	10,380	1,146,900	3,000	1,563,218	5,760	268	731	6,759	0	2,479,921
2027	10,380	1,146,900	3,000	1,563,218	5,760	268	731	6,759	0	2,479,921
2028	10,380	1,146,900	3,000	1,563,218	5,760	268	731	6,759	0	2,479,921
2029	10,380	1,146,900	3,000	1,563,218	5,760	268	731	6,759	0	2,479,921
2030	10,380	1,146,900	3,000	1,563,218	5,760	268	731	6,759	0	2,479,921
2031	10,380	1,146,900	3,000	1,563,218	5,760	268	731	6,759	0	2,479,921
2032	10,380	1,146,900	3,000	1,563,218	5,760	268	731	6,759	0	2,479,921
2033	10,380	1,146,900	3,000	1,563,218	5,760	268	731	6,759	0	2,479,921
2034	10,380	1,146,900	3,000	1,563,218	5,760	268	731	6,759	0	2,479,921
2035	10,380	1,146,900	3,000	1,563,218	5,760	268	731	6,759	0	2,479,921
<b>TOTAL</b>	<b>278,513</b>	<b>59,836,043</b>	<b>123,137</b>	<b>76,517,074</b>	<b>156,836</b>	<b>34,245</b>	<b>26,550</b>	<b>217,631</b>	<b>0</b>	<b>145,186,442</b>

**TABLE B-6 Annual Water Quantities Conveyed through Each Pumping and Power Recovery Plant of Project Transportation Facilities (acre-feet)**

Calendar Year	NORTH BAY AQUEDUCT											
	Barker Slough Pumping Plant				Cordelia Pumping Plant Solano				Cordelia Pumping Plant Napa			
	Initial Fill Water	Operational Losses	Water Supply Delivery	Total	Initial Fill Water	Operational Losses	Water Supply Delivery	Total	Initial Fill Water	Operational Losses	Water Supply Delivery <sup>a</sup>	Total
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	
1961	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	24	(10)	1,214	1,228
1969	0	0	0	0	0	0	0	0	0	2	2,687	2,689
1970	0	0	0	0	0	0	0	0	0	18	3,618	3,636
1971	0	0	0	0	0	0	0	0	0	4	2,521	2,525
1972	0	0	0	0	0	0	0	0	0	(10)	3,647	3,637
1973	0	0	0	0	0	0	0	0	0	1	3,792	3,793
1974	0	0	0	0	0	0	0	0	0	10	4,870	4,880
1975	0	0	0	0	0	0	0	0	0	10	6,840	6,850
1976	0	0	0	0	0	0	0	0	0	4	7,122	7,126
1977	0	0	0	0	0	0	0	0	0	2	8,226	8,228
1978	0	0	0	0	0	0	0	0	0	(6)	6,034	6,028
1979	0	0	0	0	0	0	0	0	0	1	6,561	6,562
1980	0	0	0	0	0	0	0	0	0	(3)	6,707	6,704
1981	0	0	0	0	0	0	0	0	0	8	9,001	9,009
1982	0	0	0	0	0	0	0	0	0	(8)	1,213	1,205
1983	0	0	0	0	0	0	0	0	0	(12)	2,287	2,275
1984	0	0	0	0	0	0	0	0	0	(15)	2,923	2,908
1985	0	0	0	0	0	0	0	0	0	13	4,039	4,052
1986	0	0	0	0	0	0	0	0	0	(4)	3,519	3,515
1987	0	0	0	0	0	0	0	0	0	0	7,693	7,693
1988	1	283	15,118	15,402	0	0	9,725	9,725	1	(1)	5,392	5,392
1989	0	758	23,451	24,209	0	0	17,246	17,246	0	(4)	6,195	6,191
1990	0	3	26,071	26,074	0	(634)	15,856	15,222	0	3	6,940	6,943
1991	0	667	8,352	9,019	0	124	3,855	3,979	0	198	1,380	1,578
1992	0	1,643	18,774	20,417	0	0	9,220	9,220	0	0	4,001	4,001
1993	0	1,153	34,466	35,619	0	0	14,471	14,471	0	0	5,286	5,286
1994	0	780	32,048	32,828	0	(6)	14,913	14,907	0	0	6,792	6,792
1995	0	908	26,527	27,435	0	0	15,893	15,893	0	0	5,182	5,182
1996	0	1,354	34,892	36,246	0	0	17,069	17,069	0	0	4,893	4,893
1997	0	1,422	37,871	39,293	0	0	17,501	17,501	0	0	4,341	4,341
1998	0	1,343	35,125	36,468	0	0	18,204	18,204	0	0	5,359	5,359
1999	0	2,522	40,057	42,579	0	0	19,562	19,562	0	0	5,304	5,304
2000	0	1,853	41,973	43,826	0	4	21,525	21,529	0	180	4,958	5,138
2001	0	1,760	43,931	45,691	0	0	19,737	19,737	0	0	9,345	9,345
2002	0	496	45,435	45,931	0	0	19,719	19,719	0	0	6,875	6,875
2003	0	3,991	41,597	45,588	0	0	16,700	16,700	0	0	7,637	7,637
2004	0	2,181	51,136	53,317	0	0	21,686	21,686	0	0	8,499	8,499
2005	0	935	45,488	46,423	0	0	19,189	19,189	0	0	8,009	8,009
2006	0	1,005	43,305	44,310	0	0	18,651	18,651	0	0	8,081	8,081
2007	0	1,189	58,257	59,446	0	0	27,793	27,793	0	0	11,277	11,277
2008	0	845	54,612	55,457	0	0	19,436	19,436	0	255	13,740	13,995
2009	0	537	41,854	42,391	0	0	15,473	15,473	0	130	11,377	11,507
2010	0	809	43,233	44,042	0	0	12,788	12,788	0	254	12,847	13,101
2011	0	803	39,309	40,112	0	0	12,832	12,832	0	213	11,275	11,488
2012	0	686	39,254	39,940	0	0	12,886	12,886	0	196	9,860	10,056
2013	0	1,150	48,407	49,557	0	0	19,404	19,404	0	350	12,478	12,828
2014	0	2,597	33,843	36,440	0	0	12,366	12,366	0	970	14,123	15,093
2015	0	144	35,035	35,179	0	0	15,321	15,321	0	76	11,133	11,209
2016	0	552	32,598	33,150	0	0	12,849	12,849	0	278	8,947	9,225
2017	0	51	48,904	48,955	0	0	24,054	24,054	0	5	11,066	11,071
<b>2018</b>	<b>0</b>	<b>51</b>	<b>46,069</b>	<b>46,120</b>	<b>0</b>	<b>0</b>	<b>20,539</b>	<b>20,539</b>	<b>0</b>	<b>5</b>	<b>17,415</b>	<b>17,420</b>
2019	0	51	46,069	46,120	0	0	21,565	21,565	0	5	17,415	17,420
2020	0	51	46,069	46,120	0	0	22,643	22,643	0	5	17,415	17,420
2021	0	51	46,069	46,120	0	0	23,775	23,775	0	5	17,415	17,420
2022	0	51	46,069	46,120	0	0	23,775	23,775	0	5	17,415	17,420
2023	0	51	46,069	46,120	0	0	23,775	23,775	0	5	17,415	17,420
2024	0	51	46,069	46,120	0	0	23,775	23,775	0	5	17,415	17,420
2025	0	51	46,069	46,120	0	0	23,775	23,775	0	5	17,415	17,420
2026	0	51	46,069	46,120	0	0	23,775	23,775	0	5	17,415	17,420
2027	0	51	46,069	46,120	0	0	23,775	23,775	0	5	17,415	17,420
2028	0	51	46,069	46,120	0	0	23,775	23,775	0	5	17,415	17,420
2029	0	51	46,069	46,120	0	0	23,775	23,775	0	5	17,415	17,420
2030	0	51	46,069	46,120	0	0	23,775	23,775	0	5	17,415	17,420
2031	0	51	46,069	46,120	0	0	23,775	23,775	0	5	17,415	17,420
2032	0	51	46,069	46,120	0	0	23,775	23,775	0	5	17,415	17,420
2033	0	51	46,069	46,120	0	0	23,775	23,775	0	5	17,415	17,420
2034	0	51	46,069	46,120	0	0	23,775	23,775	0	5	17,415	17,420
2035	0	51	46,069	46,120	0	0	23,775	23,775	0	5	17,415	17,420

<sup>a</sup> For the period 1968 through 1987, deliveries are non-SWP water pumped through an interim facility.

TABLE B-6 Annual Water Quantities Conveyed through Each Pumping and Power Recovery Plant of Project Transportation Facilities (acre-feet)

Table with columns for Calendar Year, South Bay Aqueduct (South Bay Pumping Plant), and California Aqueduct (North San Joaquin Division, Banks Pumping Plant). Rows include years from 1961 to 2035, detailing water quantities in acre-feet.

b For the period June 1962 through November 1967, deliveries were supplied by non-SWP water.







**TABLE B-6 Annual Water Quantities Conveyed through Each Pumping and Power Recovery Plant of Project Transportation Facilities (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)											
	TEHACHAPI DIVISION						MOJAVE DIVISION					
	Edmonston Pumping Plant						Alamo Pumping Plant					
	Initial Fill Water	Operational Losses	Reservoir Storage Changes	Deliveries		Total	Initial Fill Water	Operational Losses	Reservoir Storage Changes	Deliveries		Total
Water Supply				Recreation	Water Supply					Recreation		
[51]	[52]	[53]	[54]	[55]	[56]	[57]	[58]	[59]	[60]	[61]	[62]	
1961	0	0	0	0	0	0	0	0	0	0	0	
1962	0	0	0	0	0	0	0	0	0	0	0	
1963	0	0	0	0	0	0	0	0	0	0	0	
1964	0	0	0	0	0	0	0	0	0	0	0	
1965	0	0	0	0	0	0	0	0	0	0	0	
1966	0	0	0	0	0	0	0	0	0	0	0	
1967	0	0	0	0	0	0	0	0	0	0	0	
1968	0	0	0	0	0	0	0	0	0	0	0	
1969	0	0	0	0	0	0	0	0	0	0	0	
1970	0	0	0	0	0	0	0	0	0	0	0	
1971	5,446	8	0	0	0	5,454	0	0	0	0	0	
1972	100,274	16,067	(6,558)	74,123	6,481	190,387	0	0	0	0	0	
1973	204,638	34,051	1,329	207,808	1,147	448,973	0	0	0	0	0	
1974	237,554	18,181	(15,295)	313,634	2,108	556,182	0	0	0	0	0	
1975	103,352	20,183	(693)	573,219	3,358	699,419	0	0	0	0	0	
1976	61,122	21,096	(152,171)	685,768	1,581	617,396	0	0	0	0	0	
1977	0	18,424	(116,219)	236,086	560	138,851	0	0	0	0	0	
1978	65,027	20,887	121,904	590,329	674	798,821	0	0	0	0	0	
1979	12,302	46,332	(51,299)	568,338	502	576,175	0	0	0	0	0	
1980	0	52,967	(134,009)	639,743	1,262	559,963	0	0	0	0	0	
1981	0	40,602	23,359	938,482	4,112	1,006,555	0	0	0	0	0	
1982	0	37,244	117,296	812,206	4,045	970,791	0	0	0	0	0	
1983	0	40,690	(101,155)	431,182	7,291	378,008	0	0	0	0	0	
1984	0	42,112	(115,214)	556,830	5,244	488,972	0	0	0	0	0	
1985	0	45,265	139,988	792,477	4,804	982,534	0	0	0	0	0	
1986	0	36,918	37,546	823,067	3,285	900,816	0	14,735	12,258	429,864	1,508	458,365
1987	0	29,580	(25,522)	851,322	6,937	862,317	0	11,665	(15,270)	417,870	1,239	415,504
1988	0	42,017	(29,747)	1,044,737	4,360	1,061,367	0	21,696	1,101	537,568	971	561,336
1989	0	32,270	(60,826)	1,328,041	7,490	1,306,975	0	4,686	(20,363)	716,360	1,407	702,090
1990	0	42,198	(15,092)	1,579,466	8,879	1,615,451	0	8,898	(5,916)	788,111	1,388	792,481
1991	0	33,999	105,176	441,217	4,560	584,952	0	17,908	34,422	177,308	394	230,032
1992	0	23,121	(92,123)	809,771	1,995	742,764	0	14,873	(17,115)	374,110	423	372,291
1993	0	11,946	(127,738)	759,485	1,676	645,369	0	9,304	(3,455)	308,222	443	314,514
1994	0	40,808	(88,211)	960,815	2,918	916,330	0	21,837	3,395	469,996	430	495,658
1995	0	36,001	(16,431)	542,465	1,669	563,704	0	14,139	(30,761)	384,836	427	368,641
1996	0	37,357	15,438	779,918	2,928	835,641	0	7,247	(11,410)	493,852	565	490,254
1997	0	51,475	40,852	860,798	2,076	955,201	0	20,725	38,960	597,586	507	597,778
1998	0	48,601	(106,487)	607,301	1,585	551,000	0	21,456	16,361	398,385	363	436,565
1999	0	52,726	(2,807)	947,420	3,279	1,000,618	0	26,644	(8,486)	589,756	396	608,310
2000	0	43,072	7,726	1,627,123	4,216	1,682,137	0	8,983	(10,472)	958,997	449	957,957
2001	0	39,544	(18,830)	1,187,300	1,211	1,209,225	0	14,526	3,478	709,985	452	728,441
2002	0	60,037	50,342	1,680,514	3,961	1,794,854	0	15,190	8,398	901,230	490	925,308
2003	0	53,320	(48,181)	1,771,048	10,645	1,786,832	0	13,676	(20,787)	1,035,349	355	1,028,593
2004	0	57,962	3,161	1,970,391	649	2,032,163	0	15,581	17,207	1,120,384	171	1,153,343
2005	0	40,949	(159,678)	1,693,409	559	1,575,239	0	2,561	(50,014)	1,116,158	84	1,068,789
2006	0	52,291	(120,122)	1,898,070	504	1,830,743	0	13,170	8,653	1,281,524	98	1,303,445
2007	0	65,423	118,196	1,836,977	305	2,020,901	0	17,957	(5,091)	1,076,227	103	1,089,196
2008	0	50,959	(4,230)	1,146,056	327	1,193,112	0	14,592	5,383	614,224	80	634,279
2009	0	59,186	(726)	1,125,654	1,295	1,185,409	0	25,599	(5,619)	493,685	1,100	514,765
2010	0	60,181	48,231	1,369,128	603	1,478,143	0	32,025	6,964	956,888	363	996,240
2011	0	64,370	(18,816)	1,632,033	742	1,678,329	0	34,783	(1,405)	1,220,667	500	1,254,545
2012	0	65,684	14,573	1,486,712	938	1,567,907	0	22,523	(229)	892,938	550	915,782
2013	0	69,789	(1,058)	1,141,530	795	1,211,056	0	20,563	3,278	528,614	501	552,956
2014	0	43,179	31,082	465,759	172	540,192	0	16,120	41,923	160,225	81	218,349
2015	0	43,312	(32,942)	714,860	151	725,381	0	10,834	(7,059)	248,779	71	252,625
2016	0	41,071	(63,199)	1,330,567	981	1,309,420	0	6,898	7,625	786,096	163	800,782
2017	0	37,014	55,915	1,678,570	7,010	1,778,509	0	20,479	(37,000)	1,451,817	1,630	1,436,926
<b>2018</b>	<b>0</b>	<b>40,603</b>	<b>48,000</b>	<b>1,294,652</b>	<b>7,010</b>	<b>1,390,265</b>	<b>0</b>	<b>23,138</b>	<b>48,000</b>	<b>866,763</b>	<b>1,630</b>	<b>939,531</b>
2019	0	40,673	0	1,383,327	7,010	1,431,010	0	23,208	0	955,379	1,630	980,217
2020	0	35,736	(366)	1,386,101	7,010	1,428,481	0	20,947	(3,398)	958,091	1,630	977,270
2021	0	35,819	10,725	1,389,155	7,010	1,442,709	0	20,946	(1,117)	961,076	1,630	982,535
2022	0	35,813	(3,483)	1,389,155	7,010	1,428,495	0	20,940	(3,434)	961,076	1,630	980,212
2023	0	35,804	(18,971)	1,389,155	7,010	1,412,998	0	20,939	(18,638)	961,076	1,630	965,007
2024	0	35,683	11,289	1,389,155	7,010	1,443,137	0	20,881	21,309	961,076	1,630	1,004,896
2025	0	35,746	(12,518)	1,389,155	7,010	1,419,393	0	20,965	(11,624)	961,076	1,630	972,047
2026	0	35,758	24,308	1,389,155	7,010	1,456,231	0	20,930	13,030	961,076	1,630	996,666
2027	0	35,671	(17,799)	1,389,155	7,010	1,414,037	0	20,861	(6,161)	961,076	1,630	977,406
2028	0	35,811	12,291	1,389,155	7,010	1,444,267	0	20,961	4,006	961,076	1,630	987,673
2029	0	35,738	(9,046)	1,389,155	7,010	1,422,857	0	20,955	(913)	961,076	1,630	982,748
2030	0	35,802	20,756	1,389,155	7,010	1,452,723	0	20,930	8,528	961,076	1,630	992,164
2031	0	35,674	(97,726)	1,389,155	7,010	1,334,113	0	20,956	(31,057)	961,076	1,630	952,605
2032	0	35,276	84,999	1,389,155	7,010	1,516,440	0	20,865	43,953	961,076	1,630	1,027,524
2033	0	35,481	(94,652)	1,389,155	7,010	1,336,994	0	20,854	(37,929)	961,076	1,630	945,631
2034	0	34,973	69,593	1,389,155	7,010	1,500,731	0	20,769	28,588	961,076	1,630	1,012,063
2035	0	34,313	(242,659)	1,389,155	7,010	1,187,819	0	20,892	(49,219)	961,076	1,630	934,379

**TABLE B-6 Annual Water Quantities Conveyed through Each Pumping and Power Recovery Plant of Project Transportation Facilities (acre-feet)**

		CALIFORNIA AQUEDUCT (continued)										
		MOJAVE DIVISION (continued)										
		Pearblossom Pumping Plant					Mojave Siphon Powerplant					
Calendar Year	Initial Fill Water	Operational Losses	Reservoir Storage Changes	Deliveries		Total	Initial Fill Water	Operational Losses	Reservoir Storage Changes	Deliveries		Total
				Water Supply	Recreation					Water Supply	Recreation	
				[63]	[64]					[65]	[66]	
1961	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	21	0	0	0	0	21	0	0	0	0	0	0
1972	35,243	5,282	(153)	1,794	0	42,166	0	0	0	0	0	0
1973	80,177	21,522	(2,700)	52,201	72	151,272	0	0	0	0	0	0
1974	76,694	10,847	(11,149)	102,839	44	179,275	0	0	0	0	0	0
1975	10,000	2,364	(8,397)	190,351	70	194,388	0	0	0	0	0	0
1976	4,168	7,040	(16,055)	236,713	152	232,018	0	0	0	0	0	0
1977	0	11,398	(17,534)	102,326	580	96,770	0	0	0	0	0	0
1978	19,922	5,696	69,130	374,845	498	470,091	0	0	0	0	0	0
1979	12,302	6,836	(32,518)	362,114	502	349,236	0	0	0	0	0	0
1980	0	16,200	6,159	401,214	781	424,354	0	0	0	0	0	0
1981	0	4,992	(36,278)	574,573	933	544,220	0	0	0	0	0	0
1982	0	5,251	55,232	401,037	1,919	463,439	0	0	0	0	0	0
1983	0	11,745	(26,847)	231,188	1,180	217,266	0	0	0	0	0	0
1984	0	18,228	23,230	252,066	1,494	295,018	0	0	0	0	0	0
1985	0	25,292	(2,815)	350,758	1,076	374,311	0	0	0	0	0	0
1986	0	30,876	12,258	394,156	1,508	438,798	0	0	0	0	0	0
1987	0	27,552	(15,270)	377,531	1,239	391,052	0	0	0	0	0	0
1988	0	32,209	1,101	501,300	971	535,581	0	1,977	1,101	501,291	971	505,340
1989	0	31,500	(20,363)	661,189	1,407	673,733	0	29,110	(20,363)	661,100	1,407	671,254
1990	0	32,672	(5,916)	730,560	1,388	758,704	0	23,692	(5,916)	730,550	1,388	749,714
1991	0	15,209	34,774	163,913	394	214,290	0	(543)	34,774	163,913	394	198,538
1992	0	13,989	(17,451)	338,249	423	335,210	0	(13,193)	(17,451)	338,207	423	307,986
1993	0	9,779	(3,455)	255,117	443	261,884	0	(11,922)	(3,455)	255,117	443	240,183
1994	0	150	3,395	409,928	430	413,903	0	1,601	3,395	395,294	430	400,720
1995	0	6,820	(29,282)	328,882	427	306,847	0	10,458	(29,282)	321,387	427	302,990
1996	0	9,514	(11,410)	424,252	565	422,921	0	(5,577)	(11,410)	418,141	565	401,719
1997	0	(1,124)	38,960	461,563	507	499,906	0	5,171	38,960	452,525	507	497,163
1998	0	(2,087)	16,361	334,965	363	349,602	0	11,496	16,361	332,385	363	360,605
1999	0	(1,154)	(8,486)	505,624	396	496,380	0	11,065	(8,486)	498,919	396	501,894
2000	0	(23,296)	(10,472)	864,999	449	831,680	0	4,896	(10,472)	854,980	449	849,853
2001	0	(9,304)	3,478	635,316	452	629,942	0	7,403	3,478	632,420	452	643,753
2002	0	3,810	8,398	823,690	490	836,388	0	9,300	8,398	820,217	490	838,405
2003	0	2,814	(20,787)	962,488	355	944,870	0	(6,586)	(20,787)	941,713	355	914,695
2004	0	(15,558)	17,207	1,047,521	171	1,049,341	0	5,034	17,207	1,035,315	171	1,057,727
2005	0	(18,967)	(50,014)	1,043,564	84	974,667	0	827	(50,014)	1,025,453	84	976,350
2006	0	(21,986)	8,653	1,187,627	98	1,174,392	0	(845)	8,653	1,154,634	98	1,162,540
2007	0	(13,055)	(5,091)	975,802	103	957,759	0	3,060	(5,091)	956,281	103	954,353
2008	0	723	5,383	550,143	80	556,329	0	8,380	5,383	534,480	80	548,323
2009	0	3,807	(5,619)	431,289	1,100	430,577	0	10,520	(5,619)	411,075	1,100	417,076
2010	0	1,854	6,964	886,249	363	895,430	0	9,649	6,964	858,609	363	875,585
2011	0	7,953	(1,405)	1,114,556	500	1,121,604	0	13,506	(1,405)	1,080,734	500	1,093,335
2012	0	3,499	(229)	797,563	550	801,383	0	3,492	(229)	775,600	550	779,413
2013	0	6,273	3,278	466,095	501	476,147	0	12,172	3,278	460,089	501	476,040
2014	0	11,143	41,923	133,376	81	186,523	0	13,671	41,923	130,752	81	186,427
2015	0	7,067	(7,059)	229,244	71	229,323	0	9,953	(7,059)	221,321	71	224,286
2016	0	8,750	7,625	735,806	163	752,344	0	5,792	7,625	721,588	163	735,168
2017	0	15,129	(37,000)	1,326,447	1,430	1,306,006	0	11,659	(37,000)	1,316,963	1,430	1,293,052
<b>2018</b>	<b>0</b>	<b>17,788</b>	<b>48,000</b>	<b>769,472</b>	<b>1,430</b>	<b>836,690</b>	<b>0</b>	<b>14,318</b>	<b>48,000</b>	<b>729,700</b>	<b>1,430</b>	<b>793,448</b>
2019	0	17,858	0	855,624	1,430	874,912	0	14,388	0	814,796	1,430	830,614
2020	0	15,597	(3,398)	855,630	1,430	869,259	0	12,127	(3,398)	814,796	1,430	824,955
2021	0	15,596	(1,117)	855,636	1,430	871,545	0	12,126	(1,117)	814,796	1,430	827,235
2022	0	15,590	(3,434)	855,636	1,430	869,222	0	12,120	(3,434)	814,796	1,430	824,912
2023	0	15,589	(18,638)	855,636	1,430	854,017	0	12,119	(18,638)	814,796	1,430	809,707
2024	0	15,531	21,309	855,636	1,430	893,906	0	12,061	21,309	814,796	1,430	849,596
2025	0	15,615	(11,624)	855,636	1,430	861,057	0	12,145	(11,624)	814,796	1,430	816,747
2026	0	15,580	13,030	855,636	1,430	885,676	0	12,110	13,030	814,796	1,430	841,366
2027	0	15,511	(6,161)	855,636	1,430	866,416	0	12,041	(6,161)	814,796	1,430	822,106
2028	0	15,611	4,006	855,636	1,430	876,683	0	12,141	4,006	814,796	1,430	832,373
2029	0	15,605	(913)	855,636	1,430	871,758	0	12,135	(913)	814,796	1,430	827,448
2030	0	15,580	8,528	855,636	1,430	881,174	0	12,110	8,528	814,796	1,430	836,864
2031	0	15,606	(31,057)	855,636	1,430	841,615	0	12,136	(31,057)	814,796	1,430	797,305
2032	0	15,515	43,953	855,636	1,430	916,534	0	12,045	43,953	814,796	1,430	872,224
2033	0	15,504	(37,929)	855,636	1,430	834,641	0	12,034	(37,929)	814,796	1,430	790,331
2034	0	15,419	28,588	855,636	1,430	901,073	0	11,949	28,588	814,796	1,430	856,763
2035	0	15,542	(49,219)	855,636	1,430	823,389	0	12,072	(49,219)	814,796	1,430	779,079

**TABLE B-6 Annual Water Quantities Conveyed through Each Pumping and Power Recovery Plant of Project Transportation Facilities (acre-feet)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)									
	SANTA ANA DIVISION									
	Devil Canyon Powerplant					Greenspot Pump Station				
	Initial Fill Water	Operational Losses	Reservoir Storage Changes	Deliveries		Total	Initial Fill Water	Operational Losses	Water Supply Delivery	Total
Water Supply				Recreation						
[75]	[76]	[77]	[78]	[79]	[80]	[81]	[82]	[83]	[84]	
1961	0	0	0	0	0	0	0	0	0	
1962	0	0	0	0	0	0	0	0	0	
1963	0	0	0	0	0	0	0	0	0	
1964	0	0	0	0	0	0	0	0	0	
1965	0	0	0	0	0	0	0	0	0	
1966	0	0	0	0	0	0	0	0	0	
1967	0	0	0	0	0	0	0	0	0	
1968	0	0	0	0	0	0	0	0	0	
1969	0	0	0	0	0	0	0	0	0	
1970	0	0	0	0	0	0	0	0	0	
1971	0	0	0	0	0	0	0	0	0	
1972	37	0	0	1,275	0	1,312	0	0	0	
1973	40,848	14,745	0	51,812	0	107,405	0	0	0	
1974	74,666	8,367	(4,925)	102,198	0	180,306	0	0	0	
1975	10,000	1,995	(6,719)	189,526	0	194,802	0	0	0	
1976	4,168	5,180	(9,182)	235,711	23	235,900	0	0	0	
1977	0	8,082	(5,235)	101,137	469	104,453	0	0	0	
1978	14,820	3,754	21,686	373,636	481	414,377	0	0	0	
1979	12,302	5,620	(27,107)	356,854	485	348,154	0	0	0	
1980	0	9,468	12,714	395,975	742	418,899	0	0	0	
1981	0	8,401	(23,448)	569,088	807	554,848	0	0	0	
1982	0	6,012	44,469	399,799	1,798	452,078	0	0	0	
1983	0	8,597	5,188	230,277	1,078	245,140	0	0	0	
1984	0	12,861	(850)	250,938	1,414	264,363	0	0	0	
1985	0	14,325	(8,791)	349,336	956	355,826	0	0	0	
1986	0	9,486	8,339	392,650	1,378	411,853	0	0	0	
1987	0	7,923	(11,335)	375,451	1,118	373,157	0	0	0	
1988	0	11,090	2,238	499,285	861	513,474	0	0	0	
1989	0	13,116	(5,487)	658,730	1,301	667,660	0	0	0	
1990	0	13,439	(4,622)	728,723	1,281	738,821	0	0	0	
1991	0	10,836	18,308	161,032	340	190,516	0	0	0	
1992	0	9,157	(9,084)	328,354	371	328,798	0	0	0	
1993	0	5,602	5,593	244,678	364	256,237	0	0	0	
1994	0	10,915	(11,045)	393,690	357	393,917	0	0	0	
1995	0	11,268	2,331	320,978	358	334,935	0	0	0	
1996	0	9,496	13,015	417,656	494	440,661	0	0	0	
1997	0	8,087	(19,685)	451,874	416	440,692	0	0	0	
1998	0	6,700	16,643	332,198	310	355,851	0	0	0	
1999	0	9,784	(4,177)	497,787	341	503,735	0	0	0	
2000	0	7,407	(11,040)	853,786	375	850,528	0	0	0	
2001	0	9,324	8,183	631,363	374	649,244	0	0	0	
2002	0	10,315	9,682	818,028	413	838,438	0	0	0	
2003	0	9,198	(18,298)	922,901	260	914,061	0	4,526	4,526	
2004	0	11,166	15,150	1,033,309	85	1,059,710	0	3,798	3,798	
2005	0	4,500	(63,441)	1,010,247	0	951,306	0	3,686	3,686	
2006	0	8,208	7,571	1,153,993	0	1,169,772	0	7,775	7,775	
2007	0	8,216	(5,872)	953,803	0	956,147	0	12,168	12,168	
2008	0	10,599	7,759	533,221	0	551,579	0	14,408	14,408	
2009	0	10,035	(5,600)	410,032	1,025	415,492	0	20,542	20,542	
2010	0	6,275	5,344	851,786	307	863,712	0	18,395	18,395	
2011	0	7,359	2,371	1,066,088	417	1,076,235	0	20,586	20,586	
2012	0	(1,942)	(2,225)	771,982	459	768,274	0	23,791	23,791	
2013	0	3,306	3,042	458,221	416	464,985	0	20,560	20,560	
2014	0	9,919	42,495	129,317	27	181,758	0	9,843	9,843	
2015	0	8,923	(3,561)	220,068	35	225,465	0	9,791	9,791	
2016	0	(2,942)	3,074	712,078	107	712,317	0	22,896	22,896	
2017	0	7,412	(37,000)	1,314,699	1,250	1,286,361	0	14,368	14,368	
<b>2018</b>	<b>0</b>	<b>10,071</b>	<b>48,000</b>	<b>725,820</b>	<b>1,250</b>	<b>785,141</b>	<b>0</b>	<b>10,380</b>	<b>10,380</b>	
2019	0	10,141	0	810,916	1,250	822,307	0	10,380	10,380	
2020	0	8,483	(17,305)	810,916	1,250	803,344	0	10,380	10,380	
2021	0	8,486	(398)	811,316	1,250	820,654	0	10,380	10,380	
2022	0	8,486	13,735	811,316	1,250	834,787	0	10,380	10,380	
2023	0	8,482	(8,417)	811,316	1,250	812,631	0	10,380	10,380	
2024	0	8,462	689	811,316	1,250	821,717	0	10,380	10,380	
2025	0	8,489	4,591	811,316	1,250	825,646	0	10,380	10,380	
2026	0	8,475	(3,819)	811,316	1,250	817,222	0	10,380	10,380	
2027	0	8,479	745	811,316	1,250	821,790	0	10,380	10,380	
2028	0	8,481	(5,355)	811,316	1,250	815,692	0	10,380	10,380	
2029	0	8,481	2,909	811,316	1,250	823,956	0	10,380	10,380	
2030	0	8,480	296	811,316	1,250	821,342	0	10,380	10,380	
2031	0	8,475	(1,976)	811,316	1,250	819,065	0	10,380	10,380	
2032	0	8,449	18,821	811,316	1,250	839,836	0	10,380	10,380	
2033	0	8,449	(23,419)	811,316	1,250	797,596	0	10,380	10,380	
2034	0	8,443	21,651	811,316	1,250	842,660	0	10,380	10,380	
2035	0	8,451	(31,434)	811,316	1,250	789,583	0	10,380	10,380	



TABLE B-6 Annual Water Quantities Conveyed through Each Pumping and Power Recovery Plant of Project Transportation Facilities (acre-feet)

Table with columns: Calendar Year, Initial Fill Water, Operational Losses, Reservoir Storage Changes, Deliveries (Water Supply, Recreation, Total), and sub-sections for Warne Powerplant and Castaic Powerplant.

**TABLE B-6 Annual Water Quantities Conveyed through Each Pumping and Power Recovery Plant of Project Transportation Facilities (acre-feet)**

Sheet 10 of 10

Calendar Year	CALIFORNIA AQUEDUCT (continued)							
	COASTAL BRANCH							
	Las Perillas and Badger Hill Pumping Plants				Devil's Den, Bluestone, and Polonio Pass Pumping Plants			
	Initial Fill Water	Operational Losses	Water Supply Delivery	Total	Initial Fill Water	Operational Losses	Water Supply Delivery	Total
[111]	[112]	[113]	[114]	[115]	[116]	[117]	[118]	
1961	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0
1968	210	873	79,039	80,122	0	0	0	0
1969	0	1,042	62,064	63,106	0	0	0	0
1970	0	638	83,649	84,287	0	0	0	0
1971	0	3,455	110,971	114,426	0	0	0	0
1972	0	1,745	121,755	123,500	0	0	0	0
1973	0	5,479	78,645	84,124	0	0	0	0
1974	0	7,344	78,174	85,518	0	0	0	0
1975	0	5,819	85,216	91,035	0	0	0	0
1976	0	6,562	90,058	96,620	0	0	0	0
1977	0	5,777	40,579	46,356	0	0	0	0
1978	0	9,085	92,604	101,689	0	0	0	0
1979	0	10,896	123,155	134,051	0	0	0	0
1980	0	9,449	111,379	120,828	0	0	0	0
1981	0	13,232	109,754	122,986	0	0	0	0
1982	0	7,984	95,776	103,760	0	0	0	0
1983	0	5,710	100,518	106,228	0	0	0	0
1984	0	5,740	126,387	132,127	0	0	0	0
1985	0	7,563	120,823	128,386	0	0	0	0
1986	0	8,719	131,599	140,318	0	0	0	0
1987	0	11,363	128,080	139,443	0	0	0	0
1988	0	12,831	120,969	133,800	0	0	0	0
1989	0	11,454	116,801	128,255	0	0	0	0
1990	0	13,022	109,802	122,824	0	0	0	0
1991	0	5,802	1,496	7,298	0	0	0	0
1992	0	7,893	79,635	87,528	0	0	0	0
1993	0	9,282	94,921	104,203	0	0	0	0
1994	0	8,515	87,158	95,673	0	0	0	0
1995	0	6,986	94,536	101,522	0	0	0	0
1996	0	9,663	114,630	124,293	0	0	0	0
1997	527	8,343	110,428	119,298	527	0	8,538	9,065
1998	0	8,415	109,400	117,815	0	0	22,210	22,210
1999	0	2,453	120,061	122,514	0	303	23,880	24,183
2000	0	(429)	120,313	119,884	0	0	26,703	26,703
2001	0	(742)	87,915	87,173	0	0	23,229	23,229
2002	0	638	99,783	100,421	0	(151)	31,991	31,840
2003	0	161	101,113	101,274	0	284	31,421	31,705
2004	0	492	104,144	104,636	0	480	33,870	34,350
2005	0	1,484	103,178	104,662	0	573	27,595	28,168
2006	0	1,994	115,433	117,427	0	2,034	27,484	29,518
2007	0	3,355	131,590	134,945	0	293	31,516	31,809
2008	0	3,696	107,239	110,935	0	(30)	21,795	21,765
2009	0	2,242	102,509	104,751	0	(3,078)	19,253	16,175
2010	0	4,265	106,590	110,855	0	272	21,532	21,804
2011	0	3,994	113,647	117,641	0	533	24,869	25,402
2012	0	7,411	109,383	116,794	0	589	23,418	24,007
2013	0	7,637	110,714	118,351	0	295	21,699	21,994
2014	0	6,636	94,369	101,005	0	4,018	19,963	23,981
2015	0	5,458	94,227	99,685	0	378	15,111	15,489
2016	0	6,851	119,233	126,084	0	827	31,381	32,208
2017	0	802	87,043	87,845	0	212	42,448	42,660
<b>2018</b>	<b>0</b>	<b>802</b>	<b>94,761</b>	<b>95,563</b>	<b>0</b>	<b>212</b>	<b>39,768</b>	<b>39,980</b>
2019	0	802	95,553	96,355	0	212	40,560	40,772
2020	0	802	95,629	96,431	0	212	40,636	40,848
2021	0	802	95,641	96,443	0	212	40,648	40,860
2022	0	802	95,641	96,443	0	212	40,648	40,860
2023	0	802	95,641	96,443	0	212	40,648	40,860
2024	0	802	95,641	96,443	0	212	40,648	40,860
2025	0	802	95,641	96,443	0	212	40,648	40,860
2026	0	802	95,641	96,443	0	212	40,648	40,860
2027	0	802	95,641	96,443	0	212	40,648	40,860
2028	0	802	95,641	96,443	0	212	40,648	40,860
2029	0	802	95,641	96,443	0	212	40,648	40,860
2030	0	802	95,641	96,443	0	212	40,648	40,860
2031	0	802	95,641	96,443	0	212	40,648	40,860
2032	0	802	95,641	96,443	0	212	40,648	40,860
2033	0	802	95,641	96,443	0	212	40,648	40,860
2034	0	802	95,641	96,443	0	212	40,648	40,860
2035	0	802	95,641	96,443	0	212	40,648	40,860

**TABLE B-7 Reconciliation of Capital Costs Allocated to Water Supply and Power Generation (in thousands of dollars)**

Item	Project Costs Allocated to Water Supply and Power Generation							Capital Costs Allocated to Other Purposes	Total State Water Project Capital Cost
	Miscellaneous Income Credited to Construction <sup>a</sup>	Allowance for Future Price Escalation <sup>b</sup>	Costs of Construction of Delivery Structures <sup>c</sup>	Costs of Requested Excess Capacity and Future Enlargement <sup>d</sup>	Capital Cost Component of Delta Water Charge <sup>e</sup>	Capital Cost Component of Transportation Water Charge <sup>f</sup>	Water Supply and Power Total		
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]
<b>CONSERVATION FACILITIES</b>									
Upper Feather Division									
Frenchman Dam and Lake									
Grizzly Valley Dam and Lake Davis									
Antelope Dam and Lake									
Abbey Bridge Dam and Reservoir									
Dixie Refuge Dam and Reservoir									
<b>Total, Upper Feather Division</b>									
Oroville Division									
Multipurpose Facilities									
Specific Power Facilities									
<b>Total, Oroville Division</b>									
California Aqueduct									
North San Joaquin Division									
San Luis Division									
<b>Total, California Aqueduct</b>									
Delta Facilities									
Planning and Preoperation									
<b>TOTAL, CONSERVATION FACILITIES</b>									
<b>TRANSPORTATION FACILITIES</b>									
Upper Feather Division									
Grizzly Valley Pipeline									
North Bay Aqueduct									
South Bay Aqueduct									
California Aqueduct									
North San Joaquin Division									
San Luis Division									
South San Joaquin Division									
Tehachapi Division									
Mojave Division									
Santa Ana Division									
West Branch									
Coastal Branch									
<b>Total, California Aqueduct</b>									
<b>TOTAL, TRANSPORTATION FACILITIES</b>									
East Branch Enlargement									
East Branch Extension									
Coastal Power Allocation									
Agricultural Drainage Facilities									
Off-Aqueduct									
Power Generation Facilities									
Small Hydro									
Power Generation Facilities									
Land Purchase—Kern Water Bank									
Unassigned/Miscellaneous									
Davis-Grunsky									
<b>TOTAL THROUGH 2035</b>									

Data Not Available

<sup>a</sup> Miscellaneous project receipts that are applied for accounting purposes to reduce the capital costs of the particular facilities.

<sup>b</sup> These allowances are included for planning the future financial program, but not for determining current water charges.

<sup>c</sup> See Table B-8.

<sup>d</sup> See Table B-9.

<sup>e</sup> See Table B-13.

<sup>f</sup> See Table B-10.



TABLE B-8 SWP Capital Costs of Requested Delivery Structures (in dollars)

Project Service Area and Water Supply Contractors	Calendar Year Capital Costs <sup>a</sup>						
	1952-2014	2015	2016	2017	2018	2019	Total
	[1]	[2]	[3]	[4]	[5]	[6]	[7]
<b>FEATHER RIVER AREA</b>							
County of Butte	261,979	0	0	0	0	0	261,979
Plumas County Flood Control and Water Conservation District	8,723	0	0	0	0	0	8,723
Thermalito Irrigation District <sup>b</sup>	43,939	0	0	0	0	0	43,939
<i>Subtotal</i>	<i>314,641</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>314,641</i>
<b>NORTH BAY AREA</b>							
Napa County Flood Control and Water Conservation District	13,590	0	0	0	0	0	13,590
Solano County Water Agency	662,113	0	0	0	0	0	662,113
<i>Subtotal</i>	<i>675,703</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>675,703</i>
<b>SOUTH BAY AREA</b>							
Alameda County Flood Control and Water Conservation District, Zone 7	1,887,889	23,461	0	0	0	0	1,911,350
Alameda County Water District	630,576	0	0	0	0	0	630,576
Santa Clara Valley Water District	22,715	10,816	0	0	0	0	33,531
San Francisco Water Department <sup>b</sup>	1,066,680	0	0	0	0	0	1,066,680
<i>Subtotal</i>	<i>3,607,860</i>	<i>34,277</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>3,642,137</i>
<b>CENTRAL COASTAL AREA</b>							
San Luis Obispo County Flood Control and Water Conservation District	26,408	15,010	13,323	3,000	0	0	57,741
Santa Barbara County Flood Control and Water Conservation District	67,058	0	0	0	0	0	67,058
<i>Subtotal</i>	<i>93,466</i>	<i>15,010</i>	<i>13,323</i>	<i>3,000</i>	<i>0</i>	<i>0</i>	<i>124,799</i>
<b>SAN JOAQUIN VALLEY AREA</b>							
Castaic Lake Water Agency	82,567	0	0	0	0	0	82,567
County of Kings	33,941	1,450	623	15,000	15,000	0	66,014
Dudley Ridge Water District <sup>c</sup>	323,712	2,235	10,952	10,000	0	0	346,899
Empire West Side Irrigation District	6,358	0	0	0	0	0	6,358
Green Valley Water District <sup>b</sup>	5,292	0	0	0	0	0	5,292
Kern County Water Agency	4,013,417	15,999	87	0	10,000	0	4,039,503
Oak Flat Water District	97,643	0	0	0	0	0	97,643
Tracy Golf and Country Club <sup>b</sup>	6,932	0	0	0	0	0	6,932
Tulare Lake Basin Water Storage District	277,483	0	0	0	0	0	277,483
Veterans Administration Cemetery <sup>b</sup>	3,342	0	0	0	0	0	3,342
<i>Subtotal</i>	<i>4,850,687</i>	<i>19,684</i>	<i>11,662</i>	<i>25,000</i>	<i>25,000</i>	<i>0</i>	<i>4,932,033</i>
<b>SOUTHERN CALIFORNIA AREA</b>							
Antelope Valley-East Kern Water Agency	1,214,328	289,003	82,962	90,000	100,000	0	1,776,293
Castaic Lake Water Agency	375,593	0	0	0	0	0	375,593
Coachella Valley Water District	14,206	0	0	0	0	0	14,206
Crestline-Lake Arrowhead Water Agency	25,298	0	0	0	0	0	25,298
Desert Water Agency	23,438	0	0	0	0	0	23,438
Littlerock Creek Irrigation District	23,732	0	0	0	0	0	23,732
Mojave Water Agency	309,054	0	0	0	0	0	309,054
Palmdale Water District	34,173	0	0	0	0	0	34,173
San Bernardino Valley Municipal Water District	960,685	0	0	0	0	0	960,685
San Gabriel Valley Municipal Water District	131,052	0	0	0	0	0	131,052
San Geronio Pass Water Agency	122,717	2,768	13,638	10,000	15,000	0	164,123
The Metropolitan Water District of Southern California	4,817,610	0	0	0	0	0	4,817,610
Ventura County Flood Control District	79,699	0	0	0	0	0	79,699
<i>Subtotal</i>	<i>8,131,585</i>	<i>291,771</i>	<i>96,600</i>	<i>100,000</i>	<i>115,000</i>	<i>0</i>	<i>8,734,956</i>
<b>TOTAL</b>	<b>17,673,942</b>	<b>360,742</b>	<b>121,585</b>	<b>128,000</b>	<b>140,000</b>	<b>0</b>	<b>18,424,269</b>

<sup>a</sup> Approximate only, not to be construed as invoice amounts.<sup>b</sup> Not a SWP water supply contractor.<sup>c</sup> The majority of 2015 costs were from the proposed reverse flow program; to be split among Dudley Ridge, Kern and four Kern member units.

Table B-9 Capital Costs of Requested Excess Peaking Capacity (in dollars unless otherwise indicated)

Calendar Year	Total Advance Payments and Credits for Excess Capacity	Total Incremental Costs for Excess Capacity	Overpayment (+) or Underpayment (-) <sup>a</sup>	Annual Surplus Money Investment Fund Interest Rate <sup>b</sup>		Net Over- or Underpayment With Interest <sup>c</sup>
				January–June	July–December	
	[1]	[2]	[3]	[4]	[5]	[6]
<b>THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA</b>						
1965	0	158,000	(158,000)	3.968%	4.184%	(163,412)
1966	8,056,000	435,800	7,620,200	4.540%	5.057%	7,701,103
1967	9,094,963	1,878,270	7,216,693	4.815%	4.744%	15,524,533
1968	1,523,252	2,887,351	(1,364,099)	5.330%	5.540%	14,959,187
1969	8,310,651	3,059,310	5,251,341	5.946%	6.389%	21,369,973
1970	3,426,736	2,397,102	1,029,634	7.071%	7.125%	23,986,083
1971	1,086,045	1,146,648	(60,603)	5.154%	5.580%	25,238,017
1972	(4,244,807)	487,394	(4,732,201)	4.477%	4.977%	21,532,965
1973	(15,913,829)	25,041	(15,938,870)	6.023%	8.717%	6,014,116
1974	0	37,775	(37,775)	9.222%	10.351%	6,576,393
1975	0	2,085	(2,085)	7.089%	6.791%	7,038,515
1976	0	0	0	6.048%	6.021%	7,469,662
1977	0	0	0	5.788%	6.182%	7,923,403
1978	0	0	0	7.171%	8.096%	8,539,736
1979	0	0	0	8.979%	9.671%	9,354,605
1980	0	0	0	11.500%	11.500%	10,461,314
<b>Total</b>	<b>11,339,011</b>	<b>12,514,776</b>	<b>(1,175,765)</b>	—	—	<b>10,461,314</b>
<b>SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT</b>						
1967	0	25,730	(25,730)	4.815%	4.744%	(26,611)
1968	184,422	44,053	140,369	5.330%	5.540%	117,587
1969	49,052	38,075	10,977	5.946%	6.389%	136,751
1970	44,911	17,959	26,952	7.071%	7.125%	175,186
1971	61,588	5,900	55,688	5.154%	5.580%	242,927
1972	(20,263)	6,835	(27,098)	4.477%	4.977%	226,230
1973	(180,465)	0	(180,465)	6.023%	8.717%	49,198
1974	0	0	0	9.222%	10.351%	54,130
1975	0	0	0	7.089%	6.791%	57,952
1976	0	0	0	6.048%	6.021%	61,501
1977	0	0	0	5.788%	6.182%	65,237
1978	0	0	0	7.171%	8.096%	70,312
1979	0	0	0	8.979%	9.671%	77,021
1980	0	0	0	11.500%	11.500%	86,133
<b>Total</b>	<b>139,245</b>	<b>138,552</b>	<b>693</b>	—	—	<b>86,133</b>
<b>ANTELOPE VALLEY-EAST KERN WATER AGENCY</b>						
1968	85,495	1,645	83,850	5.330%	5.540%	86,962
1969	52,625	6,326	46,299	5.946%	6.389%	140,964
1970	101,648	15,076	86,572	7.071%	7.125%	243,222
1971	34,062	11,748	22,314	5.154%	5.580%	279,673
1972	(12,794)	2,018	(14,812)	4.477%	4.977%	277,552
1973	(205,354)	308	(205,662)	6.023%	8.717%	77,288
1974	0	96	(96)	9.222%	10.351%	84,933
1975	0	0	0	7.089%	6.791%	90,929
1976	0	190	(190)	6.048%	6.021%	96,300
1977	0	0	0	5.788%	6.182%	102,150
1978	0	0	0	7.171%	8.096%	110,096
1979	0	0	0	8.979%	9.671%	120,601
1980	0	0	0	11.500%	11.500%	134,869
<b>Total</b>	<b>55,682</b>	<b>37,407</b>	<b>18,275</b>	—	—	<b>134,869</b>

<sup>a</sup> Overpayment or underpayment for each calendar year—column [1] minus column [2].

<sup>b</sup> Interest rates shown are annual rates. Interest is credited daily at applicable rates on funds deposited in the State's Surplus Money Investment Fund.

<sup>c</sup> Amounts shown are end-of-year balances. Interest on overpayments is credited at applicable Surplus Money Investment Fund interest rates shown in columns [4] and [5]. Interest on underpayments is charged at the 1980 Project Interest Rate of 4.584 percent.

**Table B-9 Capital Costs of Requested Excess Peaking Capacity (in dollars)**

Reach Number	ANNUAL REQUIRED ADVANCE OF FUNDS													Reach Total
	Incremental Costs and Advance Payments by Calendar Year													
	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1981	
	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]
<b>THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA</b>														
<i>Incremental Costs</i>														
8C		1,000	1,000											2,000
8D		43,500	43,500											87,000
9		27,000	27,000	13,500										67,500
10A		29,700	29,700	14,800										74,200
11B	10,100	18,300	18,300	9,200										55,900
12D	1,800		19,300	25,800	12,900									59,800
12E	1,800		12,400	18,800	10,800									43,800
13B			12,600	37,800	31,600									82,000
14A	2,500	500	11,100	80,216	107,504	124,069	37,519	6,413	381	87				370,289
14B	1,200	1,800		19,100	19,100	12,800								54,000
14C	1,800	900		13,500	13,500	9,000								38,700
15A	700		14,000	66,947	133,357	128,099	54,821	5,327	946	2,076				406,273
16A	700		18,900	137,894	182,000	211,608	133,927	26,203	5,767	6,156				723,155
17E		51,500	444,600	537,247	860,024	998,985	699,281	193,286	17,947	29,456	2,085			3,834,411
17F	109,100	261,600	261,600	261,600	261,600	239,500								1,395,000
25			964,270	1,650,947	1,426,925	673,041	221,100	256,165						5,192,448
28J		304,612	13,706	296,668	65,966	230,169	1,209,586	2,017,134	235,900	4,900				4,378,641
Total	129,700	740,412	1,891,976	3,184,019	3,125,276	2,627,271	2,356,234	2,504,528	260,941	42,675	2,085			16,865,117
<i>Current Adjustments</i>														
8C through 25	1. Advance Payments Applied to Incremental Costs Amendment 2 <sup>d</sup>													
	0	8,056,000	9,094,963	1,523,252	8,310,651	3,426,736	1,086,045	(4,244,807)	(14,381,396)				(356,668)	12,514,776
	2. Interest Credits-Amendment 2 <sup>e</sup>													
								(1,532,433)					(10,104,646)	(11,637,079)
28J	3. Advance Payments Applied to Incremental Costs Amendment 5 <sup>f</sup>													
	0	1,240,000	1,483,180	2,469,325	(927,035)	1,729,160	3,215,258	2,967,475	1,690,000	(9,488,722)				4,378,641
	4. Interest Credits-Amendment 5 <sup>g</sup>													
										(2,721,803)				(2,721,803)
	5. Net Required Advance of Funds													
	0	9,296,000	10,578,143	3,992,577	7,383,616	5,155,896	4,301,303	(1,277,332)	(14,233,829)	(12,210,525)			(10,461,314)	2,524,535
<b>SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT</b>														
<i>Incremental Costs</i>														
25			25,730	44,053	38,075	17,959	5,900	6,835						138,552
Total Unadjusted Incremental Costs for Past Payments														
			25,730	44,053	38,075	17,959	5,900	6,835						138,552
<i>Current Adjustments</i>														
	1. Advance Payments Applied to Incremental Costs <sup>d</sup>													
	0	184,422	49,052	44,911	61,588	(20,263)	(174,133)						(7,025)	138,552
	2. Interest Credit													
								(6,332)					(79,108)	(85,440)
	3. Net Required Advance of Funds													
	0	184,422	49,052	44,911	61,588	(20,263)	(180,465)						(86,133)	53,112
<b>ANTELOPE VALLEY-EAST KERN WATER AGENCY</b>														
<i>Incremental Costs</i>														
29A				1,645	6,326	13,376	10,048	2,018	308	96		190		34,007
29F						1,700	1,700							3,400
Total Unadjusted Incremental Costs for Past Payments														
				1,645	6,326	15,076	11,748	2,018	308	96		190		37,407
<i>Current Adjustments</i>														
	1. Advance Payments Applied to Incremental Costs <sup>d</sup>													
				85,495	52,625	101,648	34,062	(12,794)	(189,120)	0		0	(34,509)	37,407
	2. Interest Credit													
								(16,234)					(100,360)	(116,594)
	3. Net Required Advance of Funds													
				85,495	52,625	101,648	34,062	(12,794)	(205,354)	0		0	(134,869)	(79,187)

<sup>d</sup> Actual payments are shown for 1965 through 1976 with 1981 adjusted to reflect overpayments and underpayments without interest for prior years.

<sup>e</sup> Interest for overpayments and underpayments under provisions of Amendment 2 of the contract.

<sup>f</sup> Actual payments are shown for 1965 through 1973 with 1974 adjusted to reflect overpayments and underpayments without interest for prior years.

<sup>g</sup> Interest for overpayments and underpayments under provisions of Amendment 5 of the contract.

<sup>h</sup> Amounts in excess of incremental costs, under the provisions of the contract, reduce the Transportation Charge capital cost component of the agency's Statement of Charges for January 1981.

**TABLE B-10 Capital Costs of Each Aqueduct Reach to be Reimbursed through Capital Cost Component of Transportation Charge (in dollars)**

Calendar Year	UPPER FEATHER DIVISION	NORTH BAY AQUEDUCT					SOUTH BAY AQUEDUCT			
		Reach 1	Reach 2	Reach 3A	Reach 3B	Total	Reach 1	Reach 2	Reach 4	Reach 5
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]
1952	0	0	0	0	0	0	97	34	30	57
1953	0	0	0	0	0	0	477	166	144	297
1954	0	0	0	0	0	0	1,466	508	437	959
1955	0	0	0	0	0	0	1,944	674	560	1,266
1956	0	0	0	0	0	0	18,789	6,515	5,090	12,545
1957	0	13,290	3,391	0	9,953	26,634	45,090	15,639	12,285	33,218
1958	2	19,202	5,011	0	25,798	50,011	195,985	80,961	7,714	21,930
1959	14	7,517	2,118	0	17,653	27,288	496,140	148,516	24,945	17,118
1960	28	8,797	4,292	0	4,838	17,927	1,130,378	67,351	71,779	68,028
1961	10	1,551	10,318	0	2,526	14,395	3,273,247	180,596	307,885	74,398
1962	32	217	(1,751)	0	414	(1,120)	1,548,884	203,535	695,446	35,102
1963	51	2,510	(1,063)	0	983	2,430	480,716	69,182	2,284,291	206,587
1964	7,791	39,879	12,046	0	21,934	73,859	2,549,118	15,903	181,900	264,410
1965	3,139	72,793	17,900	0	170,361	261,054	807,505	153,454	85,425	447,830
1966	(48)	59,615	12,972	0	438,949	511,536	898,074	149,529	142,096	1,690,200
1967	47	47,257	11,597	0	1,551,023	1,609,877	607,614	50,423	293,304	3,496,284
1968	51,573	70,586	19,560	0	831,158	921,304	965,119	19,543	89,300	2,931,101
1969	234,232	63,650	23,628	0	46,428	133,706	455,173	9,618	3,860	896,727
1970	16,227	59,090	42,733	0	9,415	111,238	52,481	3,380	10,517	154,358
1971	27,204	20,819	31,516	0	8,480	60,815	24,505	4,645	5,035	20,395
1972	9	15,538	12,952	0	10,058	38,548	26,918	825	2,945	26,090
1973	25	18,488	29,018	0	39,878	87,384	24,468	4,010	6,016	12,708
1974	45	67,352	29,978	0	134,332	231,662	17,108	1,192	1,765	65,587
1975	21	62,855	73,112	0	45,091	181,058	57,619	561	1,165	7,291
1976	51	52,419	75,611	218	13,168	141,416	104,242	2,846	8,915	12,701
1977	28	53,274	65,662	2,240	23,138	144,314	176,062	3,625	3,225	16,158
1978	38	61,936	57,158	2,955	28,987	151,036	264,581	4,494	3,668	14,028
1979	23	316,620	91,367	3,953	62,240	474,180	111,106	17,151	8,515	31,725
1980	26	422,804	111,600	19,910	96,125	650,439	368,942	17,708	8,249	38,045
1981	34	430,992	147,295	(10,752)	43,157	610,692	(145,428)	3,600	6,533	12,448
1982	11	934,812	357,720	(7,165)	134,408	1,419,775	(44,778)	18,971	7,451	37,824
1983	19	1,091,091	1,076,627	2,628	517,615	2,687,961	429,225	73,925	38,185	72,415
1984	26	1,875,968	2,317,661	3,290	1,068,363	5,265,282	506,951	36,354	9,610	92,846
1985	29	2,248,491	7,849,886	27,815	3,416,370	13,542,562	34,103	2,822	5,034	27,138
1986	31	16,420,238	10,020,277	1,309,599	1,819,349	29,569,463	85,732	14,715	17,144	13,982
1987	32	11,873,826	7,214,307	1,628,932	1,670,596	22,387,661	126,377	15,693	27,881	32,931
1988	55	3,287,756	1,648,431	1,015,971	686,821	6,638,979	290,505	36,744	51,786	25,078
1989	44	1,056,583	950,985	224,567	374,886	2,607,021	130,609	16,848	35,518	12,582
1990	63	493,522	537,881	145,694	71,938	1,249,035	275,732	32,387	99,251	40,263
1991	54	76,599	17,130	24,846	70,542	189,117	1,153,109	26,900	53,613	21,889
1992	42	56,492	6,525	18,333	37,778	119,128	401,906	53,036	61,799	51,386
1993	30	104,317	24,579	40,129	82,032	251,057	313,476	55,679	79,149	39,293
1994	14	68,065	13,463	27,107	45,909	154,544	(211,712)	29,017	362,585	36,350
1995	3	26,002	5,920	7,337	20,617	59,876	265,751	42,516	48,189	21,436
1996	0	14,790	3,334	6,614	14,606	39,344	139,573	13,049	25,751	10,677
1997	3	67,264	35,545	38,585	(13,571)	127,823	203,476	31,135	36,986	16,906
1998	7	15,410	6,392	6,797	10,396	38,995	67,974	6,120	14,731	4,616
1999	2	71,950	35,515	33,879	32,613	173,957	162,161	25,329	35,716	24,347
2000	24	29,992	8,327	11,710	4,156	54,185	100,654	15,688	24,144	19,652
2001	20	10,597	3,904	3,892	1,954	20,347	436,756	4,272	118,836	4,207
2002	14	27,018	18,971	15,254	4,614	65,857	3,068,535	5,648	329,244	64,425
2003	0	14,733	9,243	4,658	46,313	74,947	4,465,569	200,125	199,457	360,387
2004	0	23,929	2,214	2,341	145,290	173,774	1,257,335	120,340	131,702	99,547
2005	0	89,369	216	9	33,947	123,541	1,224,486	119,298	260,893	(81)
2006	5	28,222	237	90	879,428	907,978	1,234,636	68,374	259,542	523
2007	0	61,330	1	0	3,219,041	3,280,372	3,406,319	15,183	70,776	1,884
2008	4	75,107	6,065	5,318	7,878,424	7,964,914	6,248,064	35,890	169,891	5,098
2009	6	26,191	154	0	1,188,559	1,214,905	10,200,386	1,397,365	1,834,913	1,815
2010	(2)	4,652	(45)	(1)	395,328	399,934	7,061,360	104,208	468,313	14,865,982
2011	0	57,075	12	0	175,912	232,999	10,255,032	1,863,342	4,089,221	3,416,710
2012	0	585,216	3	15,163	311,585	911,967	7,800,110	1,379,855	3,102,674	104,555
2013	0	870,300	27	67,533	394,181	1,332,041	2,392,878	1,228,777	1,071,752	328,413
2014	0	781,566	3	109,243	355,488	1,246,300	(122,873)	(1,111,982)	(319,804)	127,441
2015	0	263,641	2	81,504	109,412	454,560	1,779,546	117,701	716,517	127,708
2016	0	142,630	1,260	61,753	45,733	251,375	273,581	105,271	407,238	71,071
2017	0	154,531	5,216	109,072	20,716	289,535	275,148	22,817	30,073	139,937
<b>2018</b>	<b>0</b>	<b>121,933</b>	<b>8,448</b>	<b>49,839</b>	<b>25,848</b>	<b>206,068</b>	<b>299,158</b>	<b>23,777</b>	<b>37,085</b>	<b>61,667</b>
2019	0	326,228	135,951	147,070	41,161	650,410	1,792,644	321,849	121,433	228,359
2020	0	73,116	5,332	27,296	14,113	119,857	182,722	140,881	24,338	480,704
2021	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>341,139</b>	<b>45,539,604</b>	<b>33,215,740</b>	<b>5,285,227</b>	<b>28,988,557</b>	<b>113,029,128</b>	<b>82,520,636</b>	<b>7,946,103</b>	<b>18,431,656</b>	<b>31,701,555</b>

**TABLE B-10 Capital Costs of Each Aqueduct Reach to be Reimbursed through Capital Cost Component of Transportation Charge (in dollars)**

Sheet 2 of 8

Calendar Year	SOUTH BAY AQUEDUCT (continued)					CALIFORNIA AQUEDUCT			
						NORTH SAN JOAQUIN DIVISION			
	Reach 6	Reach 7	Reach 8	Reach 9	Total	Reach 1	Reach 2A	Reach 2B	Subtotal
	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]
1952	8	66	72	132	496	4,012	3,279	1,499	8,790
1953	38	327	336	640	2,425	10,559	8,589	3,964	23,112
1954	123	1,005	1,003	1,954	7,455	13,796	11,163	5,179	30,138
1955	160	1,293	1,149	2,454	9,500	7,370	5,952	2,760	16,082
1956	1,559	11,959	11,043	28,372	95,872	9,880	5,020	2,398	17,298
1957	3,659	28,675	27,385	563,114	729,065	11,953	5,456	2,612	20,021
1958	2,243	17,872	17,385	560,904	904,994	18,585	17,191	7,994	43,770
1959	357	3,200	3,568	149,874	843,718	123,170	100,306	45,510	268,986
1960	1,102	2,944	4,498	359,749	1,705,829	191,408	102,136	48,968	342,512
1961	4,726	18,325	22,765	(1,367)	3,880,575	153,765	195,947	42,843	392,555
1962	17,295	160,939	178,242	209,042	3,048,485	612,258	491,225	168,218	1,271,701
1963	265,414	1,250,386	939,832	129,902	5,626,310	1,993,284	1,525,734	684,095	4,203,113
1964	100,603	1,716,371	2,327,770	2,947,522	10,103,597	4,674,280	2,369,858	700,074	7,744,212
1965	42,345	368,476	637,266	1,921,844	4,464,145	5,877,189	6,873,699	2,975,719	15,726,607
1966	17,663	34,915	140,350	777,887	3,850,714	8,553,362	14,112,820	5,677,099	28,343,281
1967	(41,567)	137,856	147,183	379,764	5,070,861	9,678,607	10,672,113	6,646,739	26,997,459
1968	84,553	2,130	68,057	253,152	4,412,955	6,392,664	891,681	1,303,186	8,587,531
1969	4,279	11,572	162,300	32,000	1,575,529	3,542,767	792,259	443,924	4,778,950
1970	2,487	6,820	20,086	(15,718)	234,411	2,236,607	149,692	115,578	2,501,877
1971	4,350	6,923	17,750	39,084	122,687	98,138	215,512	69,410	383,060
1972	1,084	203	4,800	32,199	95,064	159,608	43,721	7,744	211,073
1973	288	989	7,449	9,693	65,621	105,581	25,496	22,418	153,495
1974	527	6,020	30,628	11,433	134,260	177,700	16,627	45,707	240,034
1975	126	679	1,086	3,464	71,991	239,144	14,680	169,676	423,500
1976	701	3,529	8,362	26,186	167,482	641,860	45,533	65,943	753,336
1977	270	1,310	8,651	24,938	234,239	274,381	20,283	22,568	317,232
1978	231	1,204	1,631	17,123	306,960	801,265	36,221	9,714	847,200
1979	1,367	1,721	2,134	7,322	181,041	1,051,792	59,695	26,106	1,137,593
1980	1,321	1,718	2,182	7,102	445,267	4,173,603	96,760	38,789	4,309,152
1981	308	1,462	1,398	5,077	(114,602)	(502,921)	1,487,516	38,451	1,023,046
1982	716	1,561	1,746	6,074	29,565	700,738	46,501	22,308	769,547
1983	407	5,721	8,143	23,367	651,388	706,104	84,435	211,619	1,002,158
1984	269	1,853	1,667	13,301	662,851	1,559,539	41,352	48,478	1,649,369
1985	402	1,657	2,129	6,750	80,035	677,955	24,812	19,404	722,171
1986	1,119	2,744	3,313	12,234	150,983	398,788	63,830	35,420	498,038
1987	1,496	3,081	3,560	21,842	232,861	799,672	88,945	41,659	930,276
1988	5,706	6,689	7,603	33,728	457,839	2,898,156	(128,051)	(56,448)	2,713,657
1989	2,641	3,878	4,755	14,489	221,320	6,898,872	346,589	173,993	7,419,454
1990	5,092	19,899	36,584	87,796	597,004	13,483,785	112,002	2,446,232	16,042,019
1991	1,942	5,059	7,357	31,682	1,301,551	13,914,632	133,121	114,981	14,162,734
1992	1,184	2,042	2,250	35,464	609,067	6,260,482	241,456	239,437	6,741,375
1993	3,618	6,028	8,873	42,200	548,316	2,542,869	257,330	200,072	3,000,271
1994	2,897	4,781	5,346	89,991	319,255	1,145,666	148,396	88,357	1,382,419
1995	11,556	3,635	14,769	24,750	432,602	1,462,211	217,940	131,995	1,812,146
1996	3,092	2,271	2,699	12,522	209,634	874,227	74,153	41,215	989,595
1997	1,454	4,141	3,655	20,589	318,342	2,064,446	146,851	84,303	2,295,600
1998	363	1,134	(6,005)	5,776	94,709	729,475	33,695	16,670	779,840
1999	1,533	3,304	12,727	31,634	296,751	2,208,776	88,951	90,639	2,388,366
2000	2,406	4,944	5,331	10,755	183,575	(706,517)	57,503	40,185	(608,829)
2001	91,721	68,849	404,226	1,190,653	2,319,521	371,407	91,792	8,926	472,124
2002	229,409	453,259	1,107,580	2,977,939	8,236,039	833,187	44,543	22,639	900,369
2003	67,216	509,964	477,926	1,409,228	7,689,872	228,767	22,779	13,565	265,112
2004	3,193	3,100	39,326	3,276,907	4,931,451	892,456	15,333	77,640	985,430
2005	5,341	5,271	4,848	731,512	2,351,567	294,112	40,135	98,505	432,751
2006	1,286	1,342	1,352	15,393	1,582,447	422,511	15,048	177,980	615,539
2007	7,470	7,471	7,471	10,731	3,527,304	490,384	58,152	121,987	670,522
2008	8,415	8,730	8,932	12,419	6,497,439	1,202,812	39,742	85,604	1,328,158
2009	3,042	3,187	3,266	4,591	13,448,565	553,705	40,289	29,613	623,608
2010	732	716	711	1,006	22,503,029	181,161	8,175	2,311	191,646
2011	6,513	7,659	6,472	9,164	19,654,113	813,521	51,565	3,937	869,023
2012	51,903	117,364	68,876	393,352	13,018,689	1,570,134	226,476	75,111	1,871,721
2013	130,731	137,199	384,922	875,282	6,549,953	6,957,464	800,204	237,566	7,995,234
2014	102,374	121,005	107,609	207,301	(888,929)	5,789,004	3,238,636	167,361	9,195,000
2015	26,053	37,802	38,192	62,844	2,906,365	5,857,605	930,778	373,501	7,161,884
2016	1,764	2,488	2,147	14,246	877,805	2,721,640	894,583	411,576	4,027,799
2017	2,360	2,902	2,130	27,426	502,793	3,896,277	415,166	1,699,113	6,010,556
2018	4,314	5,309	3,824	52,272	487,406	4,873,374	857,858	57,431	5,788,663
2019	18,915	23,403	24,081	70,245	2,600,929	8,494,613	1,500,721	69,522	10,064,856
2020	2,855	3,531	2,566	35,805	873,402	2,583,866	1,454,606	36,623	4,075,095
2021	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>1,331,121</b>	<b>5,405,861</b>	<b>7,619,320</b>	<b>20,388,103</b>	<b>175,344,354</b>	<b>158,973,542</b>	<b>53,222,554</b>	<b>27,155,915</b>	<b>239,352,011</b>









TABLE B-10 Capital Costs of Each Aqueduct Reach to be Reimbursed through Capital Cost Component of Transportation Charge (in dollars)

Sheet 6 of 8

Table with columns for Calendar Year, MOJAVE DIVISION (continued) (Reach 22B, Reach 23, Reach 24, Subtotal), CALIFORNIA AQUEDUCT (continued) (Reach 25, Reach 26A, Reach 28G, Reach 28H, Reach 28J, Subtotal), and SANTA ANA DIVISION (Reach 25, Reach 26A, Reach 28G, Reach 28H, Reach 28J, Subtotal). Rows include years from 1952 to 2035 and a TOTAL row.

Includes excess capacity costs (not shown in Table B-9) allocated to Metropolitan in the following years and repaid under Article 24(c) of its contract: 1970 - \$362,000; 1971 - \$6,198,000; 1972 - \$139,000.



**TABLE B-10 Capital Costs of Each Aqueduct Reach to be Reimbursed through Capital Cost Component of Transportation Charge (in dollars)**

Sheet 8 of 8

Calendar Year	CALIFORNIA AQUEDUCT (continued)						Total	GRAND TOTAL
	COASTAL BRANCH (continued)					Subtotal		
	Reach 34	Reach 35	Reach 37	Reach 38	Subtotal			
[70]	[71]	[72]	[73]	[74]	[75]	[76]		
1952	0	0	0	0	0	98,857	99,353	
1953	0	0	0	0	0	309,387	311,812	
1954	0	0	0	0	0	394,688	402,143	
1955	0	0	0	0	0	159,842	169,342	
1956	0	0	0	0	0	255,679	351,551	
1957	0	0	0	0	0	708,753	1,464,452	
1958	0	0	0	0	0	1,331,616	2,286,623	
1959	7,441	8,236	0	0	92,837	2,096,392	2,967,412	
1960	8,507	14,265	0	0	127,626	2,937,049	4,660,833	
1961	1,501	3,931	0	0	37,101	4,650,264	8,545,244	
1962	524	1,689	0	0	20,132	5,827,774	8,875,171	
1963	880	2,943	0	0	38,592	18,981,487	24,610,278	
1964	1,687	5,639	0	0	349,707	31,550,813	41,736,060	
1965	2,118	7,060	0	0	792,379	57,936,405	62,664,743	
1966	1,736	5,764	0	0	2,302,279	124,748,128	129,110,330	
1967	1,891	6,213	0	0	6,356,854	187,465,580	194,146,365	
1968	1,324	4,369	0	0	2,744,057	192,593,079	197,978,911	
1969	907	2,905	0	0	454,158	182,530,023	184,473,490	
1970	851	2,787	0	0	297,200	206,720,774	207,082,650	
1971	1,315	3,804	0	0	201,795	158,414,033	158,624,739	
1972	522	1,660	0	0	151,115	68,228,670	68,362,291	
1973	542	1,758	0	0	200,947	45,110,823	45,263,853	
1974	463	1,405	0	0	211,533	24,036,199	24,402,166	
1975	2,255	6,656	0	0	109,505	21,065,768	21,318,838	
1976	5,088	14,988	0	0	287,240	17,183,961	17,492,910	
1977	1,834	5,387	0	0	1,006,999	15,165,801	15,544,382	
1978	1,302	3,852	0	0	141,448	18,661,117	19,119,151	
1979	1,505	4,433	0	0	153,071	31,202,118	31,857,362	
1980	1,152	3,449	0	0	569,707	73,891,101	74,986,833	
1981	1,427	4,261	0	0	(131,952)	15,246,649	15,742,773	
1982	588	1,787	0	0	(110,455)	38,256,580	39,705,931	
1983	794	2,398	0	0	155,794	34,705,281	38,044,649	
1984	986	2,959	0	0	86,587	24,454,091	30,382,250	
1985	2,111	6,263	0	0	99,522	14,914,930	28,537,556	
1986	17,458	51,279	0	0	374,229	13,435,351	43,155,828	
1987	92,506	272,968	0	0	1,481,230	11,711,428	34,331,982	
1988	99,456	293,612	0	0	1,718,193	11,026,370	18,123,243	
1989	77,283	228,038	0	0	1,283,764	30,302,112	33,130,497	
1990	103,785	277,889	0	0	1,615,709	32,589,619	34,435,721	
1991	123,603	363,889	0	320	2,287,705	38,321,262	39,811,984	
1992	566,230	240,553	102,051	74,162	3,882,392	34,312,996	35,041,233	
1993	1,345,211	688,935	268,937	358,367	13,333,466	53,122,384	53,921,787	
1994	8,915,445	2,363,238	678,753	1,315,559	50,802,227	73,751,564	74,225,377	
1995	23,975,738	20,849,939	7,029,108	7,117,196	168,287,940	191,033,089	191,525,570	
1996	26,475,298	18,790,572	7,213,823	6,616,309	157,333,164	187,776,346	188,025,324	
1997	10,456,863	4,149,105	545,378	798,606	41,615,744	62,137,369	62,583,537	
1998	3,368,320	952,615	192,567	280,778	11,557,714	27,083,445	27,217,156	
1999	2,616,574	356,318	36,749	51,719	10,654,542	24,085,483	24,556,192	
2000	2,746,120	17,830	126	130	6,091,478	13,505,029	13,742,813	
2001	3,960	(1,112)	1,103	878	670,019	5,132,597	7,472,485	
2002	77,266	13,119	902	880	443,986	9,923,736	18,225,645	
2003	25,734	6,272	2,030	1,931	153,501	7,094,308	14,859,126	
2004	3,142	1,942	613	634	68,121	5,725,623	10,830,848	
2005	526	327	103	107	(192,459)	9,655,187	12,130,295	
2006	4	18,012	(3)	(3)	68,943	16,031,806	18,522,237	
2007	0	152	0	0	113,088	13,670,587	20,478,263	
2008	24	14,163	0	0	101,277	15,861,831	30,324,188	
2009	19	19,626	0	0	58,560	26,226,360	40,889,836	
2010	(6)	(5,643)	0	0	631,075	23,052,168	45,955,128	
2011	2	1,568	0	0	935,257	17,793,113	37,680,225	
2012	96	1,455	0	0	610,523	23,348,837	37,279,493	
2013	209	1,590	0	0	1,955,967	40,621,005	48,503,000	
2014	114	1,113	0	0	2,644,556	33,784,264	34,141,636	
2015	1,286	0	0	0	2,073,897	51,995,449	55,356,373	
2016	2,899	0	0	0	2,100,124	78,002,280	79,131,461	
2017	444	0	0	0	4,908,755	60,192,372	60,984,700	
<b>2018</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,056,105</b>	<b>74,886,001</b>	<b>75,579,475</b>	
2019	0	0	0	0	1,470,885	94,184,035	97,435,374	
2020	0	0	0	0	4,751,171	88,358,799	89,352,058	
2021	0	0	0	0	0	0	0	
2022	0	0	0	0	0	0	0	
2023	0	0	0	0	0	0	0	
2024	0	0	0	0	0	0	0	
2025	0	0	0	0	0	0	0	
2026	0	0	0	0	0	0	0	
2027	0	0	0	0	0	0	0	
2028	0	0	0	0	0	0	0	
2029	0	0	0	0	0	0	0	
2030	0	0	0	0	0	0	0	
2031	0	0	0	0	0	0	0	
2032	0	0	0	0	0	0	0	
2033	0	0	0	0	0	0	0	
2034	0	0	0	0	0	0	0	
2035	0	0	0	0	0	0	0	
<b>TOTAL</b>	<b>81,146,858</b>	<b>50,100,223</b>	<b>16,072,240</b>	<b>16,617,573</b>	<b>514,688,627</b>	<b>3,121,567,917</b>	<b>3,410,282,538</b>	















**TABLE B-11 Minimum OMP&R Costs of Each Aqueduct Reach to be Reimbursed through Minimum OMP&R Component of Transportation Charge (in dollars)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)									
	SANTA ANA DIVISION - EAST BRANCH EXTENSION									
	Reach 1	Reach 2A	Reach 2B	Reach 2C	Reach 2D	Reach 3A	Reach 3B	Reach 4A	Reach 4B	Subtotal
	[59]	[60]	[61]	[62]	[63]	[64]	[65]	[66]	[67]	[68]
1961	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	0	0	0
2003	1,022	84,351	375,153	2,329	0	627,038	360	93,305	33,614	1,217,171
2004	10,740	40,841	509,089	2,340	0	276,019	337	13,434	71,444	924,242
2005	9,849	15,079	526,273	4,153	0	496,547	9,036	27,330	216,418	1,304,685
2006	10,208	10,233	547,575	9,252	57,222	403,039	1,267	14,835	72,624	1,126,254
2007	27,119	9,819	657,783	5,082	124,796	616,238	58,536	39,166	138,296	1,676,836
2008	76,886	34,526	847,770	1,323	208,729	1,316,836	92,649	76,305	230,399	2,885,423
2009	79,138	17,691	995,701	909	230,913	1,012,865	24,612	139,469	230,654	2,731,953
2010	53,770	3,530	812,668	15,902	261,541	1,268,364	9,493	165,194	358,769	2,949,230
2011	21,406	5,387	700,542	4,440	117,190	1,102,065	10,972	75,145	545,184	2,582,332
2012	5,708	15,613	750,232	15,695	171,346	1,605,915	26,654	18,390	198,644	2,808,196
2013	1,119	6,019	603,250	171,349	288,370	1,611,366	4,274	6,145	183,028	2,874,920
2014	8,268	9,524	828,652	104,766	163,531	1,829,712	3,979	2,436	321,857	3,272,727
2015	(140)	7,978	823,494	11,282	89,645	1,509,283	105,462	19,697	387,923	2,954,624
2016	1,046	12,049	740,793	106,257	34,176	1,849,741	34,925	7,321	481,022	3,267,328
2017	3,080	10,604	1,066,872	75,737	105,328	1,663,660	40,487	9,548	346,558	3,321,874
<b>2018</b>	<b>3,303</b>	<b>9,736</b>	<b>581,673</b>	<b>81,058</b>	<b>95,933</b>	<b>1,752,238</b>	<b>43,355</b>	<b>10,227</b>	<b>359,860</b>	<b>2,937,383</b>
2019	3,415	10,143	422,792	83,794	98,241	1,795,174	44,819	10,573	371,423	2,840,374
2020	3,299	10,263	697,350	80,999	100,832	1,754,394	43,316	10,217	362,873	3,063,543
2021	3,332	10,365	704,324	81,809	101,841	1,771,938	43,749	10,319	366,502	3,094,179
2022	3,365	10,469	711,367	82,627	102,859	1,789,658	44,187	10,423	370,167	3,125,122
2023	3,399	10,574	718,481	83,453	103,888	1,807,554	44,628	10,527	373,868	3,156,372
2024	3,433	10,679	725,666	84,288	104,927	1,825,630	45,075	10,632	377,607	3,187,937
2025	3,467	10,786	732,922	85,131	105,976	1,843,886	45,525	10,738	381,383	3,219,814
2026	3,502	10,894	740,252	85,982	107,036	1,862,325	45,981	10,846	385,197	3,252,015
2027	3,537	11,003	747,654	86,842	108,106	1,880,948	46,440	10,954	389,049	3,284,533
2028	3,572	11,113	755,131	87,710	109,187	1,899,758	46,905	11,064	392,939	3,317,379
2029	3,608	11,224	762,682	88,587	110,279	1,918,755	47,374	11,174	396,869	3,350,552
2030	3,644	11,336	770,309	89,473	111,382	1,937,943	47,848	11,286	400,837	3,384,058
2031	3,680	11,450	778,012	90,368	112,495	1,957,322	48,326	11,399	404,846	3,417,898
2032	3,717	11,564	785,792	91,272	113,620	1,976,895	48,809	11,513	408,894	3,452,076
2033	3,754	11,680	793,650	92,184	114,757	1,996,664	49,298	11,628	412,983	3,486,598
2034	3,792	11,797	801,586	93,106	115,904	2,016,631	49,790	11,744	417,113	3,521,463
2035	3,830	11,915	809,602	94,037	117,063	2,036,797	50,288	11,862	421,284	3,556,678
<b>TOTAL</b>	<b>372,867</b>	<b>480,233</b>	<b>23,825,092</b>	<b>2,093,535</b>	<b>3,787,114</b>	<b>51,013,198</b>	<b>1,258,756</b>	<b>904,847</b>	<b>10,810,127</b>	<b>94,545,769</b>

**TABLE B-11 Minimum OMP&R Costs of Each Aqueduct Reach to be Reimbursed through Minimum OMP&R Component of Transportation Charge (in dollars)**

Sheet 8 of 9

Calendar Year	CALIFORNIA AQUEDUCT (continued)						
	WEST BRANCH						
	Reach 29A	Reach 29F	Reach 29G	Reach 29H	Reach 29J	Reach 30	Subtotal
	[69]	[70]	[71]	[72]	[73]	[74]	[75]
1961	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0
1972	719,255	159,249	199,145	234,196	88,198	420,789	1,820,832
1973	779,949	339,363	122,664	264,850	119,743	621,431	2,248,000
1974	883,312	158,366	112,458	350,160	(4,525)	723,949	2,223,720
1975	1,049,990	176,676	194,724	801,457	75,870	841,991	3,140,708
1976	1,220,429	215,588	202,591	624,614	98,268	(650,944)	1,710,546
1977	1,268,813	116,939	218,129	684,679	184	634,581	2,923,325
1978	1,174,708	342,479	267,308	415,641	17,764	3,088,954	5,306,854
1979	1,366,942	285,575	284,188	972,584	29,850	958,068	3,897,207
1980	1,698,215	224,472	455,619	874,259	288,303	222,549	3,763,417
1981	1,783,405	123,264	615,047	2,305,110	8,794	1,093,897	5,929,517
1982	1,919,979	190,500	702,265	2,208,264	414,230	978,624	6,413,862
1983	2,739,814	149,333	888,475	745,939	579,882	3,698,681	8,802,124
1984	3,463,038	81,260	2,358,495	537,207	719,282	755,136	7,914,418
1985	3,866,946	295,836	3,047,591	975,729	614,735	1,753,355	10,554,192
1986	3,791,427	457,604	2,893,171	1,480,015	1,032,216	1,338,657	10,993,090
1987	3,423,494	213,106	2,933,342	944,604	459,398	1,406,519	9,380,463
1988	3,447,403	255,113	3,017,463	883,714	446,468	1,452,589	9,502,750
1989	4,025,641	405,583	2,738,143	1,398,165	865,738	1,505,029	10,938,299
1990	4,088,481	383,655	3,232,445	3,153,869	777,713	847,500	12,483,663
1991	3,862,056	304,143	3,550,063	639,527	763,037	1,191,090	10,309,916
1992	4,286,050	327,802	3,892,480	1,014,551	872,953	2,259,032	12,652,868
1993	3,969,075	343,304	4,515,385	1,670,952	852,208	1,157,876	12,508,800
1994	3,649,861	293,376	3,359,381	1,879,417	872,624	1,674,576	11,729,235
1995	4,137,046	883,315	4,750,275	1,588,080	754,904	(421,879)	11,691,741
1996	4,511,858	966,044	3,593,671	4,208,195	877,111	1,574,098	15,730,977
1997	4,543,506	1,030,809	2,429,066	3,755,901	1,597,361	1,521,491	14,878,134
1998	4,871,761	464,376	3,473,405	2,398,630	1,996,114	1,291,185	14,495,471
1999	4,859,457	4,249,651	4,989,423	1,764,943	1,005,565	1,911,025	18,780,064
2000	5,446,494	780,366	4,265,642	2,349,816	170,222	1,524,046	14,536,587
2001	5,905,961	1,526,938	5,136,328	4,375,496	240,595	(923,056)	16,262,262
2002	5,322,898	1,489,777	4,065,555	4,477,074	(53,068)	3,470,537	18,772,772
2003	4,454,323	1,314,151	3,721,548	3,350,502	(628,046)	951,874	13,164,353
2004	8,912,349	1,376,812	3,481,196	5,121,099	(616,073)	1,506,356	19,781,738
2005	5,758,956	2,597,096	7,383,506	(596,347)	2,649,206	(1,245,748)	16,546,669
2006	6,915,258	2,293,073	5,106,702	3,561,421	(561,503)	(4,267,795)	13,047,156
2007	5,694,458	2,716,124	10,404,536	7,814,450	352,923	12,023,069	39,005,560
2008	8,257,144	824,619	16,166,484	7,410,084	(117,379)	410,998	32,951,950
2009	7,839,626	883,891	8,625,485	5,621,722	242,442	2,820,839	26,034,005
2010	10,039,113	793,756	8,866,201	6,230,490	431,251	5,301,507	31,662,318
2011	6,943,567	934,224	9,608,528	8,039,045	43,541	(265,438)	25,303,467
2012	7,465,499	2,945,473	9,412,688	6,236,276	106,984	6,618,575	32,785,496
2013	8,783,984	3,760,476	12,273,121	7,182,444	400,469	3,654,082	36,054,576
2014	10,930,187	3,100,373	7,398,828	7,314,215	400,883	5,527,595	34,672,080
2015	9,343,757	3,688,274	7,575,282	8,789,096	295,782	398,680	30,090,871
2016	11,600,971	3,657,818	8,210,570	8,721,945	1,256,217	(5,340,639)	28,106,881
2017	14,685,912	4,088,503	10,562,674	10,073,386	812,662	22,621,216	62,844,353
<b>2018</b>	<b>17,656,106</b>	<b>3,903,841</b>	<b>12,287,598</b>	<b>10,513,128</b>	<b>794,371</b>	<b>9,583,612</b>	<b>54,738,656</b>
2019	17,587,387	4,129,016	11,878,807	10,313,020	821,444	8,576,502	53,306,176
2020	16,809,566	4,080,858	11,692,124	10,402,843	817,587	13,729,715	57,532,693
2021	16,977,662	4,121,666	11,809,045	10,506,872	825,763	13,867,012	58,108,020
2022	17,147,439	4,162,883	11,927,135	10,611,941	834,020	14,005,682	58,689,100
2023	17,318,913	4,204,512	12,046,407	10,718,060	842,361	14,145,739	59,275,992
2024	17,492,102	4,246,557	12,166,871	10,825,241	850,784	14,287,196	59,868,751
2025	17,667,023	4,289,022	12,288,539	10,933,493	859,292	14,430,068	60,467,437
2026	17,843,693	4,331,912	12,411,425	11,042,828	867,885	14,574,369	61,072,112
2027	18,022,130	4,375,232	12,535,539	11,153,256	876,564	14,720,113	61,682,834
2028	18,202,352	4,418,984	12,660,894	11,264,789	885,329	14,867,314	62,299,662
2029	18,384,375	4,463,174	12,787,503	11,377,437	894,183	15,015,987	62,922,659
2030	18,568,219	4,507,806	12,915,378	11,491,211	903,125	15,166,147	63,551,886
2031	18,753,901	4,552,884	13,044,532	11,606,123	912,156	15,317,808	64,187,404
2032	18,941,440	4,598,412	13,174,978	11,722,184	921,277	15,470,986	64,829,277
2033	19,130,855	4,644,397	13,306,727	11,839,406	930,490	15,625,696	65,477,571
2034	19,322,163	4,690,840	13,439,795	11,957,800	939,795	15,781,953	66,132,346
2035	19,515,385	4,737,749	13,574,193	12,077,378	949,193	15,939,773	66,793,671
<b>TOTAL</b>	<b>551,043,078</b>	<b>130,668,269</b>	<b>427,248,776</b>	<b>345,204,477</b>	<b>37,376,716</b>	<b>343,742,221</b>	<b>1,835,283,536</b>

**TABLE B-11 Minimum OMP&R Costs of Each Aqueduct Reach to be Reimbursed through Minimum OMP&R Component of Transportation Charge (in dollars)**

Sheet 9 of 9

Calendar Year	CALIFORNIA AQUEDUCT (continued)							Total	GRAND TOTAL
	COASTAL BRANCH								
	Reach 31A <sup>a</sup>	Reach 33A	Reach 33B	Reach 34	Reach 35	Subtotal			
	[76]	[77]	[78]	[79]	[80]	[81]	[82]	[83]	
1961	0	0	0	0	0	0	0	0	
1962	0	0	0	0	0	0	0	42,918	
1963	0	0	0	0	0	0	0	168,358	
1964	0	0	0	0	0	0	0	184,729	
1965	0	0	0	0	0	0	0	378,874	
1966	0	0	0	0	0	0	0	408,397	
1967	0	0	0	0	0	0	0	634,505	
1968	0	0	0	0	0	0	2,160,548	2,745,160	
1969	509,728	0	0	0	0	509,728	3,324,718	4,074,939	
1970	609,988	0	0	0	0	609,988	3,983,062	4,676,282	
1971	699,052	0	0	0	0	699,052	5,614,013	6,185,714	
1972	697,576	0	0	0	0	697,576	12,353,356	12,998,869	
1973	641,626	0	0	0	0	641,626	14,590,688	15,194,233	
1974	669,279	0	0	0	0	669,279	16,598,762	17,372,561	
1975	806,429	0	0	0	0	806,429	19,569,999	20,517,423	
1976	840,927	0	0	0	0	840,927	19,002,859	20,027,213	
1977	872,169	0	0	0	0	872,169	23,267,885	24,213,489	
1978	934,119	0	0	0	0	934,119	24,818,739	26,012,786	
1979	871,688	0	0	0	0	871,688	23,421,881	24,675,598	
1980	1,047,396	4,790	0	30	75	1,052,291	30,105,348	32,038,398	
1981	1,037,469	4,790	0	30	75	1,042,364	33,884,524	35,516,366	
1982	1,015,555	4,790	0	30	75	1,020,450	39,515,188	41,611,655	
1983	1,146,269	4,957	0	30	77	1,151,333	54,543,263	56,802,781	
1984	1,427,192	5,051	0	31	78	1,432,352	63,947,633	67,105,188	
1985	1,849,827	5,051	0	31	78	1,854,987	69,700,009	73,272,898	
1986	1,714,723	5,051	0	31	78	1,719,883	73,437,761	76,707,917	
1987	1,689,141	4,324	0	26	67	1,693,558	71,443,424	75,217,576	
1988	1,964,428	4,509	0	28	70	1,969,035	72,349,117	76,060,618	
1989	1,768,942	4,509	0	28	70	1,773,549	73,894,076	78,662,348	
1990	2,274,772	0	0	0	0	2,274,772	86,130,115	91,361,385	
1991	2,187,841	0	0	0	0	2,187,841	86,877,284	90,982,870	
1992	2,465,364	0	0	0	0	2,465,364	94,167,321	99,235,524	
1993	2,811,441	0	0	0	0	2,811,441	100,019,568	107,299,130	
1994	3,894,639	0	0	0	0	3,894,639	92,336,811	99,944,106	
1995	3,481,049	0	0	0	0	3,481,049	98,887,435	105,659,504	
1996	5,144,684	0	0	0	0	5,144,684	105,119,193	112,018,784	
1997	2,523,741	(33)	0	0	0	2,523,708	107,647,058	113,385,326	
1998	4,302,712	1,878,365	1,386	160,400	88,026	6,430,889	120,649,996	127,316,519	
1999	4,235,897	1,957,943	16,646	184,325	87,373	6,482,183	126,770,225	136,051,673	
2000	2,879,294	2,533,879	20,786	253,538	109,328	5,796,825	121,957,382	130,594,805	
2001	3,114,729	2,233,473	14,426	151,374	57,878	5,571,880	135,885,738	143,233,923	
2002	3,174,176	2,686,500	49,511	189,458	81,857	6,181,501	124,839,671	136,448,991	
2003	3,333,349	2,780,276	44,211	200,986	85,015	6,443,837	126,099,281	135,006,812	
2004	3,535,885	2,673,184	69,895	240,426	109,830	6,629,220	144,450,542	154,531,993	
2005	3,837,238	2,979,942	120,379	292,354	137,878	7,367,791	122,350,247	130,424,375	
2006	2,515,982	3,182,680	56,543	154,568	78,445	5,988,216	127,237,862	135,199,097	
2007	3,214,194	2,947,240	24,929	13,664	15,094	6,215,120	158,256,442	167,888,922	
2008	5,599,502	4,234,967	10,299	5,521	3,997	9,854,286	178,454,852	188,939,016	
2009	5,181,613	3,720,825	20,503	8,770	8,179	8,939,890	159,816,542	170,213,210	
2010	6,471,669	6,416,354	77,603	19,136	21,693	13,006,454	160,631,380	172,498,154	
2011	6,174,247	5,762,901	39,858	13,760	12,291	12,003,057	173,164,127	186,106,184	
2012	5,317,928	6,434,535	24,816	11,514	8,937	11,797,729	192,300,557	208,374,021	
2013	5,956,827	7,955,679	54,228	26,376	22,836	14,015,945	217,499,883	232,505,319	
2014	7,961,028	4,177,166	15,209	7,392	15,843	12,176,638	240,422,402	258,382,574	
2015	10,292,578	6,629,682	(1,296)	7,644	22,009	16,950,617	225,059,801	244,809,620	
2016	4,934,304	10,567,789	(5,127)	2,323	12,418	15,511,708	225,040,936	250,770,196	
2017	5,750,877	5,685,980	0	0	0	11,436,857	260,409,876	283,495,311	
2018	<b>6,014,051</b>	<b>6,267,468</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,281,519</b>	<b>286,616,806</b>	<b>305,661,577</b>	
2019	6,268,785	6,582,713	0	0	0	12,851,498	288,063,222	307,964,354	
2020	6,071,350	6,240,507	0	0	0	12,311,857	281,146,932	302,030,816	
2021	6,132,064	6,302,912	0	0	0	12,434,976	283,958,401	305,051,123	
2022	6,193,385	6,365,941	0	0	0	12,559,326	286,797,986	308,101,636	
2023	6,255,318	6,429,601	0	0	0	12,684,919	289,665,965	311,182,650	
2024	6,317,872	6,493,897	0	0	0	12,811,769	292,562,625	314,294,478	
2025	6,381,050	6,558,836	0	0	0	12,939,886	295,488,247	317,437,420	
2026	6,444,861	6,624,424	0	0	0	13,069,285	298,443,136	320,611,798	
2027	6,509,309	6,690,668	0	0	0	13,199,977	301,427,560	323,817,909	
2028	6,574,402	6,757,575	0	0	0	13,331,977	304,441,840	327,056,092	
2029	6,640,146	6,825,151	0	0	0	13,465,297	307,486,259	330,326,654	
2030	6,706,548	6,893,402	0	0	0	13,599,950	310,561,124	333,629,926	
2031	6,773,613	6,962,336	0	0	0	13,735,949	313,666,729	336,966,216	
2032	6,841,350	7,031,960	0	0	0	13,873,310	316,803,396	340,335,878	
2033	6,909,763	7,102,279	0	0	0	14,012,042	319,971,434	343,739,240	
2034	6,978,861	7,173,302	0	0	0	14,152,163	323,171,147	347,176,632	
2035	7,048,649	7,245,035	0	0	0	14,293,684	326,402,858	350,648,400	
<b>TOTAL</b>	<b>262,442,458</b>	<b>208,035,156</b>	<b>654,803</b>	<b>1,943,823</b>	<b>979,669</b>	<b>474,055,910</b>	<b>10,290,685,048</b>	<b>11,032,217,936</b>	

<sup>a</sup> Includes certain costs to be assigned directly to Kern County Water Agency. Refer to Appendix B text discussion of Table B-16A under "Project Water Charges."

## Tables B-12 through B-31

Note: Where applicable, the projected data values shown in this appendix are shaded and the bill year data are in **bold** type.

**TABLE B-12 Variable OMP&R Costs to be Reimbursed through Variable OMP&R Component of Transportation Charge<sup>a</sup> (in dollars)**

Sheet 1 of 4

Calendar Year	NORTH BAY AQUEDUCT				SOUTH BAY AQUEDUCT	CALIFORNIA AQUEDUCT		
	Reach 1 Barker Slough Pumping Plant	Reach 3A Cordelia Pumping Plant (Solano)	Reach 3B Cordelia Pumping Plant (Napa) <sup>b</sup>	Total	Reach 1 South Bay and Del Valle Pumping Plants <sup>c</sup>	Reach 1 Banks Pumping Plant	Reach 4 Dos Amigos Pumping Plant	Reach 14A Buena Vista Pumping Plant
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]
1962	0	0	0	0	36,970	0	0	0
1963	0	0	0	0	57,711	0	0	0
1964	0	0	0	0	74,134	0	0	0
1965	0	0	0	0	142,609	0	0	0
1966	0	0	0	0	192,605	0	0	0
1967	0	0	0	0	223,117	13,881	0	0
1968	0	0	6,989	6,989	336,671	452,630	202,947	0
1969	0	0	8,551	8,551	257,579	293,741	135,425	0
1970	0	0	13,598	13,598	396,358	346,215	211,197	1
1971	0	0	10,609	10,609	381,662	574,015	225,188	115,801
1972	0	0	14,434	14,434	598,702	933,292	502,196	198,914
1973	0	0	14,449	14,449	493,490	688,030	381,232	263,468
1974	0	0	17,473	17,473	565,575	783,562	447,772	315,939
1975	0	0	14,779	14,779	349,758	1,341,019	518,816	508,060
1976	0	0	20,856	20,856	571,361	1,638,453	641,115	712,947
1977	0	0	22,635	22,635	512,996	1,013,307	284,828	267,467
1978	0	0	21,692	21,692	586,355	2,339,502	607,042	689,236
1979	0	0	16,237	16,237	605,136	3,554,256	1,008,564	776,016
1980	0	0	19,945	19,945	523,369	2,083,336	1,129,152	1,051,629
1981	0	0	23,842	23,842	567,692	3,952,931	1,939,189	1,336,867
1982	0	0	12,157	12,157	605,780	3,082,031	1,363,705	1,200,226
1983	0	0	2,342	2,342	82,222	1,001,612	396,086	450,801
1984	0	0	4,822	4,822	271,543	1,856,959	976,773	823,681
1985	0	0	10,188	10,188	451,020	3,186,029	1,621,418	1,409,980
1986	0	0	15,501	15,501	814,111	6,595,625	2,627,407	2,405,224
1987	0	0	27,223	27,223	888,558	5,740,403	2,518,308	2,231,491
1988	17,813	0	24,020	41,833	911,176	6,276,214	2,610,048	2,560,122
1989	29,819	43,846	26,519	100,184	1,163,619	9,847,706	3,953,735	4,042,211
1990	52,210	67,109	40,775	160,094	1,834,626	10,460,533	4,498,260	5,779,750
1991	10,429	10,118	5,252	25,799	420,688	1,882,952	491,071	904,541
1992	13,319	13,070	9,406	35,795	339,021	3,129,419	1,147,502	1,221,282
1993	(11,941)	(8,753)	(5,392)	(26,086)	(150,856)	497,455	326,100	(108,089)
1994	46,791	39,624	29,189	115,604	801,374	5,677,009	2,305,603	2,523,572
1995	20,014	20,620	11,791	52,425	302,558	3,805,713	1,451,578	815,572
1996	57,320	47,288	23,483	128,091	718,807	8,192,821	4,009,531	2,493,264
1997	67,416	52,935	21,955	142,306	1,038,568	6,900,694	2,845,506	2,589,077
1998	(11,427)	(10,141)	(4,879)	(26,447)	(130,734)	185,756	(336,341)	(263,072)
1999	32,592	26,104	11,921	70,617	422,816	6,881,085	2,368,056	1,639,887
2000	58,200	42,262	14,978	115,441	903,391	7,901,803	3,012,840	2,925,486
2001	356,682	247,499	211,786	815,967	4,022,683	23,537,500	9,608,845	14,398,956
2002	190,460	104,564	61,470	356,494	2,324,926	17,025,395	6,894,223	8,423,374
2003	181,041	118,387	97,762	397,190	2,568,901	21,144,026	8,873,171	10,393,208
2004	251,516	139,241	107,251	498,008	2,555,185	21,511,700	9,305,291	12,251,722
2005	285,238	147,895	149,083	582,216	2,835,209	28,306,243	12,456,894	11,506,677
2006	235,554	116,778	147,715	500,048	2,771,143	23,390,987	10,502,528	11,271,801
2007	451,874	228,029	257,003	936,906	4,242,890	25,193,715	10,890,726	16,129,285
2008	424,387	196,005	302,382	922,774	3,337,945	17,301,200	6,127,107	11,219,442
2009	218,875	103,270	163,059	485,204	2,487,645	9,220,733	4,051,527	6,862,717
2010	260,461	112,286	215,361	588,108	2,374,996	21,169,149	9,474,295	10,605,705
2011	270,494	116,080	228,389	614,963	3,410,623	35,600,954	15,174,317	14,431,689
2012	272,274	123,848	189,860	585,982	3,532,005	27,402,758	11,998,712	13,706,381
2013	433,366	206,710	321,203	961,279	5,421,186	22,683,408	8,669,438	12,232,320
2014	360,566	184,440	445,044	990,050	4,098,389	11,256,153	3,520,480	6,989,348
2015	382,363	234,927	352,542	969,832	5,655,730	16,676,840	5,255,421	9,729,168
2016	274,720	157,250	254,017	685,987	4,349,510	29,370,082	11,642,182	15,665,967
2017	608,358	873,393	32,936	1,514,687	4,589,002	41,379,124	15,842,919	16,343,912
2018	889,310	772,483	849,429	2,511,222	5,013,974	36,909,582	13,908,066	17,275,233
2019	873,019	796,213	833,869	2,503,101	5,013,070	37,192,363	13,665,723	17,333,625
2020	538,444	521,553	811,480	1,871,477	5,023,688	40,824,101	14,939,629	19,208,661
2021	546,329	555,647	846,629	1,948,605	5,095,246	21,081,316	15,132,589	19,442,056
2022	544,391	553,676	843,626	1,941,693	5,077,174	45,255,250	15,176,274	19,549,220
2023	545,808	555,117	845,821	1,946,746	5,090,386	32,295,950	15,323,630	19,796,302
2024	545,834	555,144	845,862	1,946,840	5,090,632	29,718,063	15,115,968	19,419,184
2025	545,765	555,073	845,755	1,946,593	5,089,986	37,464,819	15,277,734	19,713,310
2026	546,082	555,396	846,246	1,947,724	5,092,944	29,166,970	15,034,007	19,268,138
2027	545,979	555,291	846,086	1,947,356	5,091,979	32,627,998	15,321,145	19,789,216
2028	545,803	555,111	845,813	1,946,727	5,090,336	31,185,288	15,107,385	19,404,162
2029	545,823	555,132	845,845	1,946,800	5,090,527	33,203,856	15,255,254	19,671,568
2030	545,826	555,135	845,849	1,946,810	5,090,550	30,505,979	15,050,623	19,301,631
2031	545,845	555,154	845,878	1,946,877	5,090,729	37,469,555	15,898,369	20,860,654
2032	545,886	555,197	845,943	1,947,026	5,091,117	28,315,945	14,633,389	18,559,008
2033	545,585	554,890	845,476	1,945,951	5,088,308	37,681,564	15,869,110	20,809,924
2034	545,832	555,141	845,858	1,946,831	5,090,606	30,130,099	14,733,011	18,735,359
2035	547,137	556,469	847,882	1,951,488	5,102,783	30,276,874	17,124,948	23,222,472
<b>TOTAL</b>	<b>16,329,482</b>	<b>14,172,507</b>	<b>19,227,550</b>	<b>49,729,539</b>	<b>171,154,139</b>	<b>1,106,585,525</b>	<b>479,276,778</b>	<b>595,402,747</b>

<sup>a</sup> Excludes extra peaking costs assigned directly to contractors. Refer to Appendix B text discussion of Table B-17 under "Project Water Charges."<sup>b</sup> Costs for the period 1968 through 1987 are for an interim facility.<sup>c</sup> The relatively minor costs of Del Valle Pumping Plant have been combined with those of South Bay Pumping Plant to simplify the allocation procedures.

**TABLE B-12 Variable OMP&R Costs to be Reimbursed through Variable OMP&R Component of Transportation Charge<sup>a</sup> (in dollars)**

Sheet 2 of 4

Calendar Year	CALIFORNIA AQUEDUCT (continued)							
	Reach 15A	Reach 16A	Reach 17E	Reach 18A	Reach 22B	Reach 23	Reach 24	
	Wheeler Ridge Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant	Alamo Pumping Plant	Pearblossom Pumping Plant	Mojave Siphon Powerplant	Silverwood Lake <sup>d</sup>	
	[9]	[10]	[11]	[12]	[13]	[14]	[15]	
1962	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0
1971	2,564	0	0	0	0	0	0	0
1972	68,304	142,902	542,625	0	3,468	0	0	0
1973	236,623	387,198	1,548,428	0	202,289	0	0	0
1974	324,966	564,464	2,164,223	0	324,993	0	0	0
1975	552,952	1,095,331	4,010,395	0	575,061	0	0	0
1976	713,875	1,506,985	5,443,936	0	889,544	0	0	0
1977	303,107	657,108	2,360,624	0	315,128	0	0	0
1978	616,104	1,132,296	4,180,131	0	1,508,115	0	0	0
1979	749,188	1,526,850	5,475,688	0	1,838,687	0	0	0
1980	1,047,495	2,102,439	7,028,235	0	1,762,063	0	0	0
1981	1,319,739	2,838,773	9,351,931	0	2,296,771	0	0	0
1982	1,213,660	2,424,920	8,352,207	0	1,498,620	0	0	0
1983	432,165	793,915	2,375,225	0	397,766	0	0	0
1984	770,618	1,479,784	4,585,198	0	624,213	0	0	0
1985	1,411,621	2,812,461	9,365,591	0	1,226,515	0	0	0
1986	2,432,322	4,999,949	16,956,023	(1,013,756)	2,359,599	0	0	0
1987	2,213,047	4,434,510	14,612,448	(1,017,868)	1,814,728	0	243,983	0
1988	2,557,952	5,120,998	16,801,811	(742,800)	2,370,395	0	37,927	0
1989	4,061,396	8,559,270	28,732,499	(788,139)	4,228,697	0	50,884	0
1990	6,013,924	13,616,111	48,319,508	(832,947)	6,490,357	0	187,259	0
1991	1,032,050	2,427,880	8,647,065	(269,625)	996,352	0	0	0
1992	1,274,895	2,560,253	8,575,989	(916,154)	1,142,454	0	317,172	0
1993	(86,676)	(490,235)	(2,223,221)	(55,346)	(245,059)	0	(79,954)	0
1994	2,537,943	5,323,430	18,470,003	(59,356)	2,605,813	0	0	0
1995	725,389	1,435,098	4,738,967	(1,187,312)	972,086	0	777,343	0
1996	2,299,388	4,875,010	17,027,386	(2,788,262)	2,647,473	(914,092)	1,053,254	0
1997	2,417,154	5,424,334	19,413,834	(2,488,338)	3,037,087	(1,680,469)	0	0
1998	(236,322)	(524,933)	(1,809,182)	(1,969,187)	(431,135)	(1,217,950)	(149,186)	0
1999	1,349,435	3,454,259	13,349,865	(2,851,993)	1,933,516	(2,533,429)	76,199	0
2000	2,995,367	6,892,863	24,868,765	(5,070,499)	3,889,138	(4,371,978)	0	0
2001	14,749,926	33,210,381	122,677,209	(3,276,174)	18,689,339	(3,621,886)	919,165	0
2002	8,731,692	19,721,183	72,471,745	(4,919,131)	10,667,928	(5,247,076)	95,265	0
2003	10,814,071	24,634,664	90,645,519	(3,362,477)	14,524,245	(6,610,346)	231,996	0
2004	12,863,080	29,368,759	107,972,655	(6,248,061)	16,993,152	(7,691,613)	0	0
2005	11,769,639	26,675,193	94,388,290	(5,791,742)	17,552,651	(6,359,950)	0	0
2006	11,446,002	26,079,864	81,830,583	(4,022,339)	15,984,047	(6,347,742)	0	0
2007	16,657,505	37,657,877	125,592,420	(2,976,651)	19,486,841	(5,872,118)	0	0
2008	12,277,333	24,908,362	77,920,768	(3,305,736)	10,680,902	(3,203,162)	321,113	0
2009	7,293,452	15,756,149	71,001,293	(3,096,612)	9,125,019	(2,225,065)	2,053	0
2010	10,772,730	24,318,543	88,899,186	(4,913,035)	16,724,848	(5,543,596)	0	0
2011	14,469,641	32,457,315	113,767,599	(6,340,454)	23,163,495	(7,675,700)	496,271	0
2012	13,787,396	31,183,496	109,312,720	(2,424,628)	17,306,719	(8,836,129)	0	0
2013	12,436,626	28,155,154	98,973,325	(1,989,602)	12,004,814	(4,750,469)	0	0
2014	7,200,568	16,292,682	56,951,238	(1,305,981)	5,092,403	(1,023,443)	136,646	0
2015	10,694,074	24,047,435	86,952,896	(2,190,877)	8,754,284	(2,009,231)	838,571	0
2016	16,421,140	36,794,594	135,878,205	(7,658,895)	23,431,324	(8,562,491)	0	0
2017	16,802,622	37,648,975	136,451,858	(10,503,383)	21,404,438	(12,847,852)	0	0
<b>2018</b>	<b>17,677,385</b>	<b>40,275,921</b>	<b>147,146,264</b>	<b>(9,561,863)</b>	<b>27,954,825</b>	<b>(12,920,357)</b>	<b>0</b>	<b>0</b>
2019	17,743,485	40,434,791	147,741,581	(9,604,458)	28,092,681	(13,056,799)	0	0
2020	19,708,818	44,881,509	164,099,308	(8,747,530)	28,238,152	(12,556,080)	0	0
2021	19,945,610	45,418,765	166,056,157	(8,787,956)	28,717,475	(12,583,138)	0	0
2022	20,065,799	45,700,241	167,113,655	(8,808,782)	28,692,098	(12,618,573)	0	0
2023	20,330,955	46,312,926	169,386,100	(8,959,031)	29,278,925	(12,855,529)	0	0
2024	19,921,842	45,364,412	165,856,600	(10,676,161)	27,973,758	(12,251,955)	0	0
2025	20,240,948	46,104,262	168,609,692	(11,036,948)	29,037,259	(12,744,720)	0	0
2026	19,757,755	44,983,831	164,439,919	(10,764,320)	28,246,523	(12,371,800)	0	0
2027	20,322,896	46,293,973	169,314,614	(10,976,433)	28,868,957	(12,661,642)	0	0
2028	19,905,631	45,326,887	165,717,193	(10,862,332)	28,521,660	(12,505,466)	0	0
2029	20,195,526	45,998,850	168,217,078	(10,916,768)	28,683,869	(12,579,899)	0	0
2030	19,794,534	45,069,420	164,759,517	(10,813,164)	28,377,491	(12,438,356)	0	0
2031	21,490,200	49,004,182	179,413,851	(11,262,204)	29,712,381	(13,055,496)	0	0
2032	18,992,051	43,211,313	157,854,315	(10,441,052)	27,285,722	(11,934,104)	0	0
2033	21,435,398	48,877,271	178,942,094	(11,345,262)	29,946,399	(13,170,699)	0	0
2034	19,182,381	43,651,824	159,490,675	(10,600,557)	27,751,119	(12,149,465)	0	0
2035	24,084,674	55,044,947	201,987,901	(11,481,885)	30,441,980	(13,360,920)	0	0
<b>TOTAL</b>	<b>611,333,628</b>	<b>1,378,440,173</b>	<b>4,981,100,223</b>	<b>(282,024,066)</b>	<b>824,682,455</b>	<b>(336,960,785)</b>	<b>5,555,962</b>	<b>0</b>

<sup>a</sup> Excludes extra peaking costs assigned directly to contractors. Refer to Appendix B text discussion of Table B-17 under "Project Water Charges."

<sup>d</sup> These values represent a proportionate allocation of the total variable OMP&R costs of pumping and recovery plants (Table B-3) associated with net annual withdrawals from storage for Project Transportation Facilities. The allocation is determined annually by applying the following ratio, calculated from the data shown in Table B-6: "Reservoir Storage Changes" (withdrawals, as a positive value) conveyed through each plant, divided by "Total" annual quantity conveyed through each plant, in acre-feet. The costs so determined are accumulated for all upstream plants for each year, for each respective reservoir.

**TABLE B-12 Variable OMP&R Costs to be Reimbursed through Variable OMP&R Component of Transportation Charge<sup>a</sup> (in dollars)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)						
	Reach 26A	Reach 2B (EBX)	Reach 3A (EBX)	Reach 4B (EBX)	Reach 28J	Reach 29A	Reach 29G
	Devil Canyon Powerplant	Greenspot Pump Station	Crafton Hills Pump Station	Cherry Valley Pump Station	Lake Perris <sup>d</sup>	Oso Pumping Plant	Warne Powerplant
	[16]	[17]	[18]	[19]	[20]	[21]	[22]
1962	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0
1972	(3,024)	0	0	0	0	79,315	0
1973	(461,268)	0	0	0	0	122,787	0
1974	(546,156)	0	0	0	0	157,511	0
1975	(1,095,523)	0	0	0	0	314,636	0
1976	(1,566,056)	0	0	0	0	326,967	0
1977	(1,222,866)	0	0	0	0	75,335	0
1978	(3,085,094)	0	0	0	0	89,383	0
1979	(3,466,481)	0	0	0	0	102,584	0
1980	(3,318,152)	0	0	0	0	236,768	0
1981	(3,842,971)	0	0	0	0	444,280	0
1982	(2,736,072)	0	0	0	0	539,245	(783,626)
1983	(5,478,830)	0	0	0	0	214,069	(1,488,439)
1984	(7,350,989)	0	0	0	0	484,239	(4,088,209)
1985	(10,748,103)	0	0	0	0	874,069	(5,930,176)
1986	(11,484,996)	0	0	0	0	1,269,590	(5,579,301)
1987	(10,814,483)	0	0	0	53,242	1,323,472	(6,292,822)
1988	(14,495,967)	0	0	0	0	1,421,372	(6,994,588)
1989	(18,688,631)	0	0	0	0	2,046,005	(8,368,716)
1990	(20,911,839)	0	0	0	147,163	2,857,442	(11,011,193)
1991	(4,884,013)	0	0	0	0	535,456	(3,604,791)
1992	(9,513,281)	0	0	0	(61,233)	686,984	(5,272,726)
1993	(7,502,549)	0	0	0	0	51,327	(3,380,473)
1994	(11,815,745)	0	0	0	80,824	1,210,469	(5,835,219)
1995	(9,742,248)	0	0	0	0	151,109	(1,179,155)
1996	(12,358,465)	0	0	0	0	895,929	(4,248,531)
1997	(13,293,791)	0	0	0	111,776	897,657	(4,797,589)
1998	(10,108,555)	0	0	0	0	(27,767)	(746,113)
1999	(14,952,833)	0	0	0	(41,318)	680,911	(5,341,364)
2000	(25,522,757)	0	0	0	(110,900)	1,206,908	(9,464,490)
2001	(19,510,278)	0	0	0	0	6,074,627	(7,614,510)
2002	(24,676,763)	0	0	0	0	3,806,295	(10,286,903)
2003	(27,490,216)	0	0	0	1,149,466	4,337,249	(9,899,070)
2004	(31,246,167)	78,555	68,914	7,290	0	5,407,923	(11,835,098)
2005	(28,682,474)	69,542	48,909	2,544	5,151,512	3,422,443	(6,683,632)
2006	(34,389,659)	123,143	144,018	16,224	0	2,547,393	(6,870,988)
2007	(28,529,045)	248,626	256,313	11,163	589,895	6,194,316	(9,522,236)
2008	(16,403,544)	243,110	327,193	7,446	0	4,426,718	(7,184,125)
2009	(13,474,182)	360,373	391,267	7,529	418,666	4,329,801	(6,578,744)
2010	(24,427,811)	313,550	431,074	19,508	0	3,283,919	(5,697,650)
2011	(31,980,782)	372,514	500,595	33,173	0	3,283,485	(5,505,320)
2012	(23,571,258)	451,864	551,811	49,817	231,111	5,177,314	(8,230,796)
2013	(14,097,814)	484,575	567,013	68,886	0	6,272,208	(8,740,718)
2014	(3,836,008)	315,568	438,094	51,887	0	4,393,821	(4,122,547)
2015	(6,410,003)	336,513	449,455	14,768	748,246	6,687,053	(6,280,593)
2016	(21,855,062)	696,498	771,555	48,482	0	6,054,743	(6,658,921)
2017	(20,095,915)	408,105	471,130	81,754	0	4,940,380	(5,610,839)
<b>2018</b>	<b>(25,307,487)</b>	<b>286,657</b>	<b>307,280</b>	<b>77,492</b>	<b>0</b>	<b>5,001,173</b>	<b>(5,792,087)</b>
2019	(25,564,234)	280,044	300,191	75,704	0	5,004,814	(5,813,755)
2020	(25,141,758)	479,833	327,761	82,657	0	5,875,360	(6,340,713)
2021	(24,696,529)	486,860	332,561	83,867	0	5,847,146	(6,216,658)
2022	(24,278,415)	485,133	331,382	83,570	0	5,980,974	(6,382,564)
2023	(24,940,354)	486,396	332,244	83,787	0	6,000,447	(6,386,750)
2024	(24,664,581)	486,419	332,260	83,791	0	6,134,257	(6,530,546)
2025	(24,547,210)	486,357	332,218	83,781	0	6,008,627	(6,396,015)
2026	(24,800,245)	486,640	332,411	83,829	0	5,852,251	(6,224,945)
2027	(24,662,390)	486,548	332,348	83,814	0	6,158,508	(6,553,957)
2028	(24,846,762)	486,391	332,241	83,787	0	5,887,318	(6,266,476)
2029	(24,597,557)	486,409	332,253	83,790	0	6,108,092	(6,501,842)
2030	(24,675,842)	486,411	332,255	83,790	0	5,836,874	(6,211,430)
2031	(24,744,441)	486,428	332,266	83,793	0	7,046,719	(7,507,715)
2032	(24,132,456)	486,465	332,292	83,799	0	5,498,915	(5,849,886)
2033	(25,410,490)	486,197	332,108	83,753	0	6,865,984	(7,317,339)
2034	(24,051,581)	486,417	332,258	83,791	0	5,501,154	(5,852,140)
2035	(25,668,365)	487,580	333,053	83,991	0	10,633,378	(11,342,632)
<b>TOTAL</b>	<b>(1,058,419,416)</b>	<b>12,845,719</b>	<b>11,336,723</b>	<b>1,913,255</b>	<b>8,468,449</b>	<b>211,149,733</b>	<b>(341,217,661)</b>

<sup>a</sup> Excludes extra peaking costs assigned directly to contractors. Refer to Appendix B text discussion of Table B-17 under "Project Water Charges."

<sup>d</sup> These values represent a proportionate allocation of the total variable OMP&R costs of pumping and recovery plants (Table B-3) associated with net annual withdrawals from storage for Project Transportation Facilities. The allocation is determined annually by applying the following ratio, calculated from the data shown in Table B-6: "Reservoir Storage Changes" (withdrawals, as a positive value) conveyed through each plant, divided by "Total" annual quantity conveyed through each plant, in acre-feet. The costs so determined are accumulated for all upstream plants for each year, for each respective reservoir.



**TABLE B-12 Variable OMP&R Costs to be Reimbursed through Variable OMP&R Component of Transportation Charge<sup>a</sup> (in dollars)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)						Grand Total
	Reach 29H	Reach 29J	Reach 30	Reach 31A	Reach 33A	Total	
	Pyramid Lake <sup>d</sup>	Castaic Powerplant	Castaic Lake <sup>d</sup>	Las Perillas and Badger Hill Pumping Plants	Devil's Den, Bluestone, and Polonio Pass Pumping Plants		
[23]	[24]	[25]	[26]	[27]	[28]	[29]	
1962	0	0	0	0	0	0	36,970
1963	0	0	0	0	0	0	57,711
1964	0	0	0	0	0	0	74,134
1965	0	0	0	0	0	0	142,609
1966	0	0	0	0	0	0	192,605
1967	0	0	0	0	0	13,881	236,998
1968	0	0	0	118,676	0	774,253	1,117,913
1969	0	0	0	78,350	0	507,516	773,646
1970	0	0	0	136,429	0	693,842	1,103,798
1971	0	0	0	166,296	0	1,083,864	1,476,135
1972	0	(211,144)	0	237,638	0	2,494,486	3,107,622
1973	0	(1,057,564)	0	120,913	0	2,432,136	2,940,075
1974	0	(1,547,884)	0	118,582	0	3,107,972	3,691,020
1975	0	(2,455,461)	0	94,848	0	5,460,134	5,824,671
1976	0	(2,827,557)	0	141,260	0	7,621,469	8,213,686
1977	0	(3,734,462)	0	71,311	0	390,887	926,518
1978	0	(1,542,479)	0	179,925	0	6,714,161	7,322,208
1979	0	(2,773,323)	0	192,126	0	8,984,155	9,605,528
1980	0	(3,408,863)	0	168,458	0	9,882,560	10,425,874
1981	0	(2,834,322)	0	169,177	0	16,972,365	17,563,899
1982	0	(3,463,971)	0	168,390	0	12,859,335	13,477,272
1983	0	(6,649,626)	0	17,920	0	(7,537,336)	(7,452,772)
1984	0	(4,710,802)	0	112,679	0	(4,435,856)	(4,159,491)
1985	0	(15,698,638)	0	146,843	0	(10,322,390)	(9,861,182)
1986	0	(11,072,448)	0	297,886	0	10,793,124	11,622,736
1987	80,822	(11,557,616)	(43,085)	245,082	0	5,785,662	6,701,444
1988	54,038	(12,295,001)	(210,845)	214,519	0	5,286,197	6,239,206
1989	84,370	(14,812,039)	89,852	282,180	0	23,321,280	24,585,082
1990	0	(20,116,741)	245,034	416,832	0	46,159,454	48,154,174
1991	432,382	(6,579,194)	0	3,610	0	2,015,735	2,462,222
1992	29,879	(9,167,653)	(1,141,229)	101,665	0	(5,884,783)	(5,509,967)
1993	(675,438)	(7,895,978)	(2,751,590)	(111,306)	0	(24,731,032)	(24,907,974)
1994	0	(10,565,940)	(81,262)	206,086	0	12,583,232	13,500,210
1995	544,099	(4,049,615)	0	243,434	0	(497,940)	(142,957)
1996	0	(8,457,232)	0	296,170	0	15,023,644	15,870,542
1997	0	(8,727,328)	(897)	298,483	208,816	13,156,005	14,336,879
1998	(965,988)	(3,360,851)	(2,139,549)	(55,491)	(92,902)	(24,248,768)	(24,405,949)
1999	0	(9,672,802)	0	164,612	235,962	(3,259,953)	(2,766,520)
2000	0	(17,958,033)	0	229,530	378,042	(8,198,096)	(7,179,264)
2001	988,149	(13,495,346)	2,379,745	1,070,732	2,140,040	202,926,420	207,765,070
2002	0	(18,455,025)	0	544,053	1,351,160	86,147,416	88,828,837
2003	833,202	(16,903,355)	963,704	636,922	1,525,171	126,441,150	129,407,241
2004	222,007	(21,110,644)	685,188	672,547	1,778,968	141,056,166	144,109,356
2005	4,755,989	(12,763,664)	4,548,906	846,063	1,714,250	162,934,283	166,351,708
2006	529,562	(11,822,176)	6,079,441	850,922	1,427,028	128,770,639	132,041,829
2007	0	(19,017,327)	0	1,306,516	2,313,454	196,611,274	201,791,070
2008	0	(14,961,833)	1,324,015	1,129,223	1,735,661	124,891,191	129,151,910
2009	408,125	(15,570,055)	0	695,228	1,211,003	90,190,277	93,163,126
2010	0	(10,738,810)	0	902,260	1,484,505	137,078,369	140,041,473
2011	0	(11,102,175)	1,993,071	1,112,193	2,128,379	196,380,259	200,405,845
2012	186,601	(15,133,885)	0	1,006,706	2,018,454	176,175,163	180,293,150
2013	76,649	(15,520,329)	458,926	1,354,887	2,043,551	161,382,847	167,765,312
2014	0	(7,773,330)	2,164,456	1,557,465	2,102,514	100,402,014	105,490,452
2015	193,769	(11,048,588)	4,865,386	1,557,393	1,891,651	151,753,631	158,379,192
2016	423,101	(11,849,796)	10,681,932	1,513,291	3,009,246	235,817,178	240,852,674
2017	0	(9,319,489)	0	1,365,805	3,699,047	238,462,591	244,566,280
2018	0	<b>(9,021,995)</b>	<b>0</b>	<b>1,274,982</b>	<b>3,678,211</b>	<b>249,169,282</b>	<b>256,694,478</b>
2019	0	(9,055,531)	0	1,281,447	3,760,799	249,812,471	257,328,642
2020	0	(9,994,475)	0	585,458	5,088,684	281,559,375	288,454,540
2021	0	(9,795,272)	0	593,827	5,164,730	266,223,406	273,267,257
2022	0	(10,063,438)	0	591,718	5,146,413	292,019,955	299,038,822
2023	0	(10,070,208)	0	592,796	5,159,805	282,168,391	289,205,523
2024	0	(10,301,613)	0	593,571	5,160,055	271,735,324	278,772,796
2025	0	(10,085,195)	0	593,379	5,159,399	284,301,697	291,338,276
2026	0	(9,808,658)	0	593,772	5,162,397	269,438,475	276,479,143
2027	0	(10,340,851)	0	593,447	5,161,420	280,159,611	287,198,946
2028	0	(9,874,492)	0	592,896	5,159,754	273,355,065	280,392,128
2029	0	(10,256,458)	0	593,369	5,159,947	279,137,337	286,174,664
2030	0	(9,786,828)	0	593,456	5,159,971	271,426,332	278,463,692
2031	0	(11,891,649)	0	593,466	5,160,152	299,090,511	306,128,117
2032	0	(9,202,531)	0	593,369	5,160,546	259,447,100	266,485,243
2033	0	(11,581,140)	0	593,016	5,157,698	298,255,586	305,289,845
2034	0	(9,207,339)	0	592,822	5,160,029	263,969,857	271,007,294
2035	0	(18,250,558)	0	594,797	5,172,369	319,384,604	326,438,875
<b>TOTAL</b>	<b>8,201,319</b>	<b>(634,378,625)</b>	<b>30,111,199</b>	<b>35,436,724</b>	<b>124,236,382</b>	<b>7,773,076,442</b>	<b>7,993,960,120</b>

<sup>a</sup> Excludes extra peaking costs assigned directly to contractors. Refer to Appendix B text discussion of Table B-17 under "Project Water Charges."

<sup>d</sup> These values represent a proportionate allocation of the total variable OMP&R costs of pumping and recovery plants (Table B-3) associated with net annual withdrawals from storage for Project Transportation Facilities. The allocation is determined annually by applying the following ratio, calculated from the data shown in Table B-6: "Reservoir Storage Changes" (withdrawals, as a positive value) conveyed through each plant, divided by "Total" annual quantity conveyed through each plant, in acre-feet. The costs so determined are accumulated for all upstream plants for each year, for each respective reservoir.

**TABLE B-13 Capital and Operating Costs of Project Conservation Facilities to be Reimbursed through Delta Water Charge (in dollars)**

Calendar Year	Initial Project Conservation Facilities (Portions of Upper Feather Lakes, Oroville-Thermalito, and California Aqueduct Facilities)					Planning and Pre-operating Costs <sup>a,f</sup>	Total
	Capital Costs <sup>a</sup>	Capital Cost Credits <sup>b</sup>	Operating Costs <sup>c</sup>	Application of Oroville Power Revenues to:			
				Capital Costs <sup>d</sup>	Operating Costs <sup>e</sup>		
[1]	[2]	[3]	[4]	[5]	[6]	[7]	
1952	171,322	0	0	0	0	0	171,322
1953	312,190	0	0	0	0	0	312,190
1954	308,624	0	0	0	0	0	308,624
1955	194,645	0	0	0	0	0	194,645
1956	1,357,077	0	0	0	0	0	1,357,077
1957	6,210,709	0	0	0	0	0	6,210,709
1958	9,510,916	0	0	0	0	0	9,510,916
1959	11,390,586	0	0	0	0	0	11,390,586
1960	14,463,274	(4,850,000)	0	0	0	0	9,613,274
1961	18,729,965	(431,527)	0	0	0	0	18,298,438
1962	9,099,967	(479,280)	0	0	0	0	8,620,687
1963	73,098,107	(478,743)	(14,000)	0	0	0	72,605,364
1964	62,629,003	(751,330)	(14,000)	0	0	107,780	61,971,453
1965	71,048,877	(763,541)	(14,000)	0	0	551,850	70,823,186
1966	125,376,541	(748,649)	(14,000)	0	0	1,081,023	125,694,915
1967	94,481,603	(812,145)	(13,446)	0	0	1,189,212	94,845,224
1968	39,986,145	(431,574)	1,303,821	(951,000)	0	793,399	40,700,791
1969	5,367,865	(259,015)	2,890,772	(11,007,000)	0	601,867	(2,405,511)
1970	4,208,411	(203,733)	4,818,634	(14,650,000)	(1,500,000)	516,659	(6,810,029)
1971	3,956,703	(193,631)	6,026,480	(14,650,000)	(1,500,000)	408,754	(5,951,694)
1972	4,662,255	(196,361)	5,393,011	(14,650,000)	(1,500,000)	287,374	(6,003,721)
1973	4,090,078	(136,997)	6,135,774	(14,650,000)	(1,500,000)	203,384	(5,857,761)
1974	6,852,718	(137,503)	6,944,723	(17,950,000)	(1,500,000)	201,907	(5,588,155)
1975	8,343,833	(234,567)	7,697,390	(14,650,000)	(1,500,000)	146,188	(197,156)
1976	6,189,618	(204,944)	7,067,037	(14,650,000)	(1,500,000)	205,234	(2,893,055)
1977	21,554,452	(150,214)	10,547,977	(14,650,000)	(1,500,000)	857,419	16,659,634
1978	8,031,393	(64,566)	12,851,158	(14,650,000)	(1,500,000)	2,131,286	6,799,271
1979	9,751,861	0	9,547,014	(14,650,000)	(1,500,000)	2,131,884	5,280,759
1980	11,345,574	0	13,258,298	(14,650,000)	(1,500,000)	3,638,851	12,092,723
1981	11,921,267	0	10,326,538	(14,650,000)	(1,500,000)	4,597,474	10,695,279
1982	17,479,059	0	16,154,872	(14,650,000)	(1,500,000)	4,594,682	22,078,613
1983	12,763,378	0	22,251,331	(34,705,000)	(8,735,000)	3,751,993	(4,673,298)
1984	9,367,268	0	22,700,224	(14,650,000)	(10,348,000)	2,979,126	10,048,618
1985	12,538,173	0	23,462,283	(14,650,000)	(8,198,000)	2,069,024	15,221,480
1986	21,586,488	0	26,479,379	(14,650,000)	(9,107,000)	1,602,419	25,911,286
1987	32,734,633	0	23,479,839	(14,650,000)	(9,451,000)	1,762,179	33,875,651
1988	33,028,679	0	25,832,491	(14,650,000)	(8,677,000)	1,808,899	37,343,069
1989	11,075,132	0	28,442,946	(14,650,000)	(8,102,000)	2,678,007	19,444,085
1990	28,764,328	0	37,430,776	(14,650,000)	(8,498,000)	1,436,712	44,483,816
1991	37,462,303	0	76,586,450	(14,650,000)	(9,487,000)	1,727,664	91,639,417
1992	29,169,134	0	32,280,229	(14,650,000)	(8,526,000)	1,707,822	39,981,185
1993	22,366,873	0	36,884,103	(14,650,000)	(8,768,000)	1,708,490	37,541,465
1994	14,709,626	0	41,193,693	(14,650,000)	(7,484,000)	2,134,392	35,903,711
1995	15,120,856	0	46,162,374	(14,650,000)	(4,976,939)	2,042,481	43,698,773
1996	11,003,975	0	50,885,567	(14,650,000)	(5,503,289)	2,448,692	44,184,945
1997	15,281,018	0	51,788,497	(14,650,000)	(5,740,515)	1,699,730	48,378,730
1998	3,866,877	0	54,726,293	(14,650,000)	(8,155,000)	1,193,198	36,981,368
1999	7,776,449	0	56,095,722	(14,650,000)	(9,198,000)	9,686	40,033,857
2000	10,849,819	0	56,042,129	(14,688,338)	(10,297,482)	13,491	41,919,619
2001	10,950,774	0	75,778,041	(16,223,803)	(14,328,482)	23,866	56,200,395
2002	20,392,407	0	67,977,990	(19,498,891)	(20,826,560)	24,426	48,069,371
2003	23,661,304	0	77,724,424	(20,605,664)	(29,982,088)	9,833	50,807,808
2004	21,656,196	0	91,159,331	(17,530,688)	(35,845,422)	7,548	59,446,965
2005	6,613,010	0	104,208,826	(15,354,462)	(22,004,805)	0	73,462,569
2006	11,472,605	0	102,904,994	(15,210,585)	(21,412,577)	0	77,754,437
2007	8,513,337	0	87,559,146	(14,734,855)	(17,033,961)	0	64,303,667
2008	7,368,459	0	105,465,829	(14,968,129)	(19,570,602)	0	78,295,557
2009	7,609,659	0	114,975,150	(15,959,149)	(20,921,647)	0	85,703,742
2010	8,248,853	0	124,016,204	(15,958,194)	(20,222,025)	0	96,084,837
2011	13,238,273	0	127,545,998	(15,958,715)	(19,207,013)	0	105,618,543
2012	28,037,642	0	127,291,422	(16,032,565)	(22,105,563)	0	117,190,935
2013	101,196,155	0	135,964,416	(16,034,532)	(20,414,514)	0	200,711,525
2014	83,357,722	0	144,648,437	(15,841,275)	(18,597,043)	0	193,567,842
2015	46,912,564	0	150,893,706	(20,657,953)	(17,587,782)	0	159,560,535
2016	98,493,674	0	192,631,252	(20,867,882)	(16,990,228)	0	253,266,815
2017	132,031,821	0	180,386,967	(21,978,371)	(14,647,695)	0	275,792,722
<b>2018</b>	<b>168,332,187</b>	<b>0</b>	<b>186,137,319</b>	<b>(23,575,903)</b>	<b>(16,941,315)</b>	<b>0</b>	<b>313,952,288</b>
2019	141,534,317	0	195,405,475	(35,061,614)	(18,889,674)	0	282,988,504
2020	106,826,467	0	200,129,762	(38,107,531)	(16,994,490)	0	251,854,208
2021	38,239,962	0	177,187,641	(41,057,022)	(17,164,435)	0	157,206,146
2022	412,999	0	194,346,946	(41,052,977)	(17,336,080)	0	136,370,888
2023	412,999	0	187,615,701	(41,048,683)	(17,509,440)	0	129,470,577
2024	412,999	0	189,242,997	(40,937,378)	(17,684,535)	0	131,034,083
2025	412,999	0	191,595,270	(41,159,216)	(17,861,380)	0	132,987,673
2026	412,999	0	190,038,780	(41,043,216)	(18,039,994)	0	131,368,569
2027	412,999	0	192,904,683	(41,037,644)	(18,220,394)	0	134,059,644
2028	412,999	0	196,983,468	(41,053,721)	(18,402,598)	0	137,940,148
2029	412,999	0	197,709,458	(40,934,886)	(18,586,624)	0	138,600,947
2030	412,999	0	199,060,176	(47,521,123)	(18,772,490)	0	133,179,562
2031	412,999	0	202,011,698	(47,526,033)	(18,960,215)	0	135,938,449
2032	412,999	0	202,622,048	(47,526,789)	(19,149,817)	0	136,358,441
2033	412,999	0	207,816,570	(47,519,260)	(19,341,315)	0	141,368,994
2034	412,999	0	205,783,940	(47,522,896)	(19,534,728)	0	139,139,315
2035	412,999	0	204,785,420	(47,514,272)	(19,730,076)	0	137,954,071
<b>TOTAL</b>	<b>2,082,059,018</b>	<b>(11,528,320)</b>	<b>6,366,127,863</b>	<b>(1,534,117,485)</b>	<b>(849,569,832)</b>	<b>57,085,905</b>	<b>6,110,057,149</b>

<sup>a</sup> Reimbursed through the capital cost component of the Delta Water Charge.<sup>b</sup> Negotiated settlements as to the magnitude of SWP planning costs from 1952 through 1978.<sup>c</sup> Reimbursed through the minimum OMP&R component of the Delta Water Charge. Credits for Gianelli power generation are reflected in these net costs.<sup>d</sup> Revenues credited through the capital cost component of the Delta Water Charge.<sup>e</sup> Revenues credited through the minimum OMP&R component of the Delta Water Charge.<sup>f</sup> Under amendments of Articles 22(e) and 22(g), planning and pre-operating costs of additional Project Conservation Facilities incurred through the previous year reflected in the Delta Water Charge.

## Tables B-14 through B-31

Note: Where applicable, the projected data values shown in this appendix are shaded and the bill year data are in **bold** type.













**TABLE B-15 Capital Cost Component of Transportation Charge for Each Contractor (in dollars) <sup>a,b,c</sup>**

Calendar Year	SAN JOAQUIN VALLEY AREA									
	Dudley Ridge	Empire	Future Contractor San Joaquin Valley	Kern			Kings	Oak Flat	Tulare	Total
				Municipal and Industrial	Municipal and Industrial <sup>d</sup>	Agricultural				
[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	
1961	0	0	0	0	0	0	0	0	0	
1962	0	0	0	0	0	0	0	0	0	
1963	0	0	0	0	0	0	0	0	0	
1964	0	0	2,725	0	0	0	0	0	2,725	
1965	0	0	6,029	64,284	9,284	0	0	0	79,598	
1966	0	0	12,039	120,256	17,073	0	0	0	149,368	
1967	0	0	26,257	233,262	34,350	0	0	0	293,869	
1968	80,751	1,915	48,950	335,771	48,966	440,487	9,407	4,960	68,097	
1969	80,892	5,745	57,418	392,005	52,536	904,619	10,158	5,392	257,656	
1970	88,656	5,745	59,224	423,404	53,922	1,100,287	10,446	5,607	190,671	
1971	101,079	5,745	60,329	444,522	54,712	1,461,372	10,612	6,039	202,901	
1972	112,938	5,745	60,945	454,227	55,075	2,188,275	10,694	11,573	625,935	
1973	124,232	5,745	61,370	458,449	55,248	2,523,844	10,736	6,686	242,102	
1974	188,550	5,745	61,890	460,485	55,349	2,826,332	10,770	7,486	401,849	
1975	229,010	5,745	62,452	462,798	55,490	3,385,166	10,812	7,712	479,502	
1976	174,608	5,745	62,720	464,655	55,679	3,649,183	10,853	8,711	343,025	
1977	171,665	5,745	63,362	467,359	55,965	3,998,453	10,914	7,980	327,977	
1978	183,524	0	65,796	469,216	56,156	4,444,619	11,019	8,411	351,880	
1979	217,654	5,745	66,111	471,978	56,491	4,880,387	11,086	8,627	396,024	
1980	231,523	5,745	66,399	474,721	56,828	5,325,602	11,157	12,293	6,582,843	
1981	231,523	5,745	67,986	491,115	58,770	5,828,474	11,565	9,274	422,479	
1982	231,523	5,745	67,996	488,835	58,707	6,292,607	11,552	9,705	445,826	
1983	242,252	5,745	68,332	493,076	59,377	6,821,006	11,685	8,131	53,077	
1984	254,675	5,745	68,950	498,702	60,083	7,159,437	11,834	10,352	348,050	
1985	266,533	5,745	69,678	506,568	61,243	7,623,556	12,069	10,586	253,204	
1986	278,392	5,745	69,966	508,983	61,587	7,746,675	12,141	10,999	540,328	
1987	290,250	5,745	70,471	512,652	62,116	8,552,750	12,251	11,215	563,675	
1988	302,109	5,745	70,832	515,513	62,526	8,990,407	12,334	11,646	587,023	
1989	313,967	5,745	71,717	519,169	63,150	9,306,118	12,501	12,077	610,926	
1990	162,913	5,745	73,153	537,527	65,389	9,634,132	12,936	12,293	658,733	
1991	301,606	5,745	75,796	566,573	69,966	9,634,132	13,762	12,293	658,733	
1992	325,826	5,745	78,990	597,260	74,817	9,634,132	14,756	12,293	658,733	
1993	325,826	5,745	80,482	610,123	76,657	9,634,132	15,124	12,293	658,733	
1994	325,826	5,745	82,105	619,494	77,936	9,634,132	15,397	12,293	658,733	
1995	325,826	5,745	83,398	626,231	78,890	9,634,132	15,608	12,293	658,733	
1996	301,375	5,745	87,367	635,384	80,221	9,303,298	15,961	12,293	658,733	
1997	301,375	5,745	90,231	639,177	80,707	9,235,232	16,133	12,293	658,733	
1998	301,374	5,745	92,940	652,602	82,732	8,982,918	16,588	12,293	658,733	
1999	301,374	5,745	94,237	659,509	83,778	8,982,918	16,823	12,293	658,733	
2000	301,374	5,745	95,750	667,629	85,008	8,336,521	17,096	12,293	658,733	
2001	301,374	5,745	96,315	670,255	85,354	8,200,861	17,172	12,293	658,733	
2002	324,241	5,745	96,772	672,352	85,648	8,200,861	17,237	12,293	618,669	
2003	324,241	5,745	97,882	681,983	87,121	8,200,861	17,536	12,293	616,383	
2004	324,241	5,745	98,185	684,250	87,449	8,188,434	46,168	12,293	531,255	
2005	324,241	5,745	98,434	686,336	87,746	8,188,434	46,231	12,293	531,255	
2006	324,241	5,745	99,039	692,288	88,653	8,188,434	48,158	12,293	529,513	
2007	324,241	5,745	99,161	694,170	88,828	8,188,434	48,194	12,293	529,513	
2008	324,241	5,745	99,425	696,491	89,095	8,188,434	48,249	12,293	529,513	
2009	324,241	5,745	100,163	703,240	90,159	8,188,434	48,467	12,293	529,513	
2010	284,713	5,745	100,376	706,426	90,427	8,010,309	48,521	12,293	489,521	
2011	284,713	5,745	102,805	710,984	90,907	8,010,309	48,694	12,293	489,521	
2012	284,713	5,745	106,293	715,917	91,573	8,010,309	48,937	12,293	489,521	
2013	284,713	5,745	107,943	722,275	92,412	8,010,309	49,131	12,293	489,521	
2014	273,458	5,745	110,313	750,222	96,289	8,010,309	49,932	12,293	481,231	
2015	256,518	5,745	114,145	713,262	90,995	8,010,309	50,872	12,293	481,231	
2016	256,518	5,745	112,716	676,928	85,839	8,010,309	51,482	12,293	481,231	
2017	256,518	5,745	105,072	604,078	71,952	8,010,309	52,296	12,293	481,231	
<b>2018</b>	<b>280,970</b>	<b>5,745</b>	<b>100,111</b>	<b>539,404</b>	<b>62,520</b>	<b>8,398,856</b>	<b>44,433</b>	<b>12,293</b>	<b>481,231</b>	
2019	280,970	5,745	101,785	537,486	65,733	8,398,856	45,237	12,293	481,231	
2020	258,382	5,745	108,294	585,191	74,201	8,398,856	46,735	12,293	481,231	
2021	258,382	5,745	120,885	611,365	77,314	8,398,856	47,429	12,293	481,231	
2022	258,382	5,745	120,269	601,661	76,952	8,398,856	47,347	12,293	481,231	
2023	258,382	5,745	119,844	597,439	76,778	8,398,856	47,305	12,293	481,231	
2024	258,382	5,745	119,324	595,403	76,677	8,398,856	47,271	12,293	481,231	
2025	258,382	5,745	118,762	593,090	76,536	8,398,856	47,229	12,293	481,231	
2026	258,382	5,745	118,495	591,233	76,348	8,398,856	47,188	12,293	481,231	
2027	258,382	5,745	117,852	588,529	76,061	8,398,856	47,127	12,293	481,231	
2028	258,382	5,745	115,418	586,671	75,870	8,398,856	47,021	12,293	481,231	
2029	258,382	5,745	115,104	583,910	75,535	8,398,856	46,955	12,293	481,231	
2030	258,382	5,745	114,815	581,167	75,198	8,398,856	46,884	12,293	481,231	
2031	258,382	5,745	113,228	564,773	73,257	8,398,856	46,476	12,293	481,231	
2032	258,382	5,745	113,218	567,053	73,319	8,398,856	46,489	12,293	481,231	
2033	258,382	5,745	112,882	562,811	72,650	8,398,856	46,356	12,293	481,231	
2034	258,382	5,745	112,264	557,185	71,943	8,398,856	46,207	12,293	481,231	
2035	258,382	5,745	111,536	549,301	70,784	8,398,856	45,972	12,293	481,231	
<b>TOTAL</b>	<b>17,444,219</b>	<b>381,085</b>	<b>6,203,519</b>	<b>39,718,664</b>	<b>5,004,907</b>	<b>497,090,402</b>	<b>1,993,716</b>	<b>760,922</b>	<b>32,976,358</b>	<b>601,573,792</b>

<sup>a</sup> Unadjusted for prior overpayments or underpayments of charges.  
<sup>b</sup> Determined at the current Project Interest Rate of 4.610 percent per annum.  
<sup>c</sup> Reflects the transfers of permanent aqueduct capacity among contractors.  
<sup>d</sup> Charges under Amendment No. 18 of the water supply contract with Kern County Water Agency.



TABLE B-15 Capital Cost Component of Transportation Charge for Each Contractor (in dollars)<sup>a,b,c</sup>

Calendar Year	SOUTHERN CALIFORNIA AREA (continued)				FEATHER RIVER AREA				South Bay Area Future Contractor	Grand Total
	San Geronio	Metropolitan	Ventura	Total	Yuba City	Butte	Plumas	Total		
	[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]
1961	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0
1963	0	690,812	0	777,678	0	0	0	0	0	1,401,957
1964	21,735	1,260,513	9,378	1,603,161	0	0	0	0	0	2,551,416
1965	21,866	2,180,589	17,766	2,720,401	0	0	405	405	0	4,293,872
1966	37,964	3,900,172	33,426	4,868,023	0	0	565	565	0	6,808,355
1967	71,283	7,693,703	68,155	9,563,529	0	0	562	562	0	11,974,135
1968	120,094	14,345,147	133,299	17,535,245	0	0	564	564	0	21,188,705
1969	187,059	21,857,456	202,599	26,672,567	0	0	3,191	3,191	0	31,391,381
1970	275,010	28,992,595	257,859	35,658,859	0	0	15,121	15,121	0	40,665,546
1971	385,025	37,242,413	316,307	46,008,567	0	0	15,947	15,947	0	51,452,640
1972	448,055	44,062,125	353,935	54,018,250	0	0	17,332	17,332	0	60,655,582
1973	470,185	46,299,581	357,342	56,626,073	0	0	17,333	17,333	0	63,267,689
1974	483,259	48,322,678	372,112	58,899,655	0	0	17,334	17,334	0	66,083,540
1975	496,722	49,285,084	376,511	60,100,277	0	0	17,337	17,337	0	67,988,107
1976	509,650	50,137,295	380,788	61,150,210	0	0	17,338	17,338	0	69,131,983
1977	517,741	50,827,166	385,097	61,981,044	0	0	17,340	17,340	0	70,322,786
1978	522,656	51,426,581	390,742	62,687,233	0	0	17,342	17,342	0	71,549,388
1979	526,178	52,230,344	399,649	63,597,815	0	0	17,344	17,344	0	73,015,280
1980	529,583	53,637,412	417,136	65,146,821	0	0	17,345	17,345	0	75,076,550
1981	546,787	56,667,437	449,812	68,691,766	0	0	17,346	17,346	0	79,259,759
1982	545,445	57,465,063	461,234	69,494,950	0	0	17,348	17,348	0	80,565,156
1983	557,607	59,037,472	477,333	71,411,020	0	0	17,348	17,348	0	82,704,201
1984	575,830	60,313,580	486,863	73,110,186	0	0	17,349	17,349	0	85,237,885
1985	589,089	61,144,629	492,117	74,247,463	0	0	17,351	17,351	0	87,081,350
1986	598,648	61,666,346	494,977	74,983,722	0	0	17,352	17,352	0	88,945,920
1987	607,664	62,094,710	496,758	75,598,123	0	0	17,354	17,354	0	91,841,308
1988	614,418	62,452,912	498,619	76,087,987	0	0	17,355	17,355	0	93,957,752
1989	618,059	62,796,236	501,579	76,510,120	0	0	17,358	17,358	0	95,197,269
1990	629,934	63,762,459	509,566	77,669,579	0	0	17,360	17,360	0	96,947,201
1991	643,118	64,677,355	516,147	78,955,671	0	0	17,364	17,364	0	98,530,790
1992	660,626	65,776,353	523,154	80,383,153	0	0	17,367	17,367	0	100,264,309
1993	679,343	66,905,041	529,383	81,812,279	0	0	17,369	17,369	0	101,969,148
1994	714,062	68,486,622	535,055	83,817,855	0	0	17,370	17,370	0	104,742,960
1995	735,431	69,373,540	537,812	84,966,923	0	0	17,371	17,371	0	108,670,798
1996	753,512	70,251,056	541,753	86,086,999	0	0	17,371	17,371	0	118,623,964
1997	812,976	71,530,953	544,467	87,768,954	0	0	17,371	17,371	0	128,891,520
1998	919,464	72,283,436	548,490	89,401,344	0	0	0	0	0	132,601,931
1999	1,100,324	72,917,423	552,184	90,490,769	0	0	0	0	0	134,353,252
2000	1,434,718	73,432,162	555,279	92,944,150	0	0	0	0	0	136,956,535
2001	2,371,146	73,741,965	556,658	95,058,735	0	0	0	0	0	139,937,305
2002	3,744,046	73,915,736	557,417	97,837,044	0	0	0	0	0	142,876,227
2003	4,400,656	74,256,539	559,749	99,461,446	0	0	17,375	17,375	0	145,061,341
2004	4,669,624	74,601,782	560,566	100,394,672	0	0	17,375	17,375	0	146,431,090
2005	4,808,406	68,499,909	561,532	100,962,028	0	0	17,375	17,375	0	147,323,368
2006	4,858,605	68,876,841	564,172	101,578,585	0	0	17,375	17,375	0	148,097,242
2007	4,971,445	69,605,880	569,809	102,779,325	0	0	17,376	17,376	0	149,475,028
2008	5,105,983	70,216,830	573,969	103,869,517	0	0	17,376	17,376	0	151,050,036
2009	5,287,804	70,888,202	577,886	105,111,144	0	0	17,376	17,376	0	153,343,211
2010	5,568,690	72,113,606	585,961	107,600,397	0	0	17,376	17,376	0	156,615,529
2011	5,925,798	73,157,328	593,207	109,742,698	0	0	17,376	17,376	0	160,358,701
2012	6,479,688	73,882,924	597,010	111,863,174	0	0	17,376	17,376	0	163,954,254
2013	7,344,760	74,207,499	599,887	114,155,487	0	0	17,376	17,376	0	166,686,925
2014	10,146,794	75,283,826	598,271	120,972,119	0	0	17,376	17,376	0	173,926,369
2015	12,747,302	75,771,062	599,037	126,557,300	0	0	16,972	16,972	0	179,092,515
2016	14,220,578	76,613,208	595,884	130,706,096	0	0	16,812	16,812	0	183,300,655
2017	15,927,974	76,777,443	577,621	134,676,752	0	0	16,814	16,814	0	187,057,538
<b>2018</b>	<b>16,270,264</b>	<b>73,290,540</b>	<b>530,385</b>	<b>131,702,411</b>	<b>0</b>	<b>0</b>	<b>16,812</b>	<b>16,812</b>	<b>0</b>	<b>184,192,763</b>
2019	16,338,987	70,008,513	481,658	128,240,838	0	0	14,185	14,185	0	180,575,221
2020	16,378,200	68,479,287	456,497	126,668,909	0	0	2,256	2,256	0	179,365,094
2021	16,316,721	66,391,440	442,911	123,543,109	0	0	1,429	1,429	0	176,635,210
2022	16,253,691	60,516,046	405,283	115,461,527	0	0	44	44	0	168,527,760
2023	16,231,561	59,049,073	401,877	112,852,547	0	0	43	43	0	165,870,402
2024	16,218,487	57,145,560	387,106	110,564,477	0	0	42	42	0	163,567,007
2025	16,205,024	56,294,660	382,708	109,358,619	0	0	40	40	0	162,333,192
2026	16,192,096	55,546,936	378,431	108,302,018	0	0	39	39	0	161,255,873
2027	16,184,006	54,933,960	374,121	107,465,533	0	0	36	36	0	160,389,193
2028	16,179,090	54,370,270	368,476	106,751,437	0	0	35	35	0	159,630,410
2029	16,175,568	53,596,759	359,570	105,826,726	0	0	33	33	0	158,669,169
2030	16,172,164	52,213,205	342,082	104,248,576	0	0	32	32	0	157,041,371
2031	16,154,959	49,301,498	309,406	100,638,497	0	0	30	30	0	153,312,313
2032	16,156,301	48,496,905	297,985	99,822,332	0	0	29	29	0	152,479,303
2033	16,144,139	46,994,793	281,886	97,875,108	0	0	28	28	0	150,446,934
2034	16,125,916	45,817,790	272,355	96,152,139	0	0	27	27	0	148,523,497
2035	16,112,658	45,062,529	267,101	95,008,199	0	0	26	26	0	147,028,862
<b>TOTAL</b>	<b>430,350,250</b>	<b>4,127,346,798</b>	<b>31,293,161</b>	<b>6,127,957,941</b>	<b>0</b>	<b>0</b>	<b>781,778</b>	<b>781,778</b>	<b>0</b>	<b>8,460,592,826</b>

<sup>a</sup> Unadjusted for prior overpayments or underpayments of charges.  
<sup>b</sup> Determined at the current Project Interest Rate of 4.610 percent per annum.  
<sup>c</sup> Reflects the transfers of permanent aqueduct capacity among contractors.



TABLE B-16A Minimum OMP&R Component of Transportation Charge for Each Contractor (in dollars)

Sheet 2 of 4

Calendar Year	SAN JOAQUIN VALLEY AREA								
	Dudley Ridge	Empire	Future Contractor San Joaquin Valley	Kern		Kings	Oak Flat	Tulare	Total
				Municipal and Industrial	Agricultural				
1961	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0
1968	37,806	1,963	5,639	60,701	678,086	2,008	2,073	77,591	865,867
1969	45,479	2,235	30,158	80,554	1,197,126	2,286	2,085	90,773	1,450,698
1970	46,969	2,292	35,450	96,673	1,381,493	2,344	2,158	93,408	1,660,786
1971	47,997	2,314	35,366	106,654	1,643,163	2,366	2,288	94,874	1,935,021
1972	49,866	2,414	37,844	122,313	1,729,169	2,469	2,254	98,777	2,045,106
1973	50,006	2,385	36,180	125,553	1,719,873	2,440	2,310	98,330	2,037,076
1974	52,818	2,556	36,570	135,661	1,823,065	2,614	2,529	104,609	2,160,424
1975	66,963	3,243	44,251	162,738	2,235,242	3,317	3,191	132,663	2,651,608
1976	66,504	3,328	45,364	159,303	2,215,999	3,404	2,919	133,940	2,630,761
1977	75,595	3,812	49,192	189,661	2,522,290	3,898	3,708	152,838	3,000,994
1978	70,688	3,503	49,725	174,897	2,427,163	3,583	3,644	141,672	2,874,875
1979	68,879	3,436	48,142	173,677	2,378,315	3,514	3,492	138,493	2,817,948
1980	95,898	4,722	59,551	235,741	3,146,570	4,830	4,777	191,582	3,743,671
1981	118,448	5,965	66,183	266,353	3,440,557	6,099	5,187	239,323	4,148,116
1982	134,083	6,711	67,061	311,879	3,848,922	6,862	6,382	270,061	4,651,960
1983	184,902	9,242	80,869	426,485	5,030,031	9,450	8,494	372,182	6,121,656
1984	194,228	9,656	95,555	471,854	5,636,134	9,874	8,719	389,892	6,815,912
1985	200,694	9,957	115,227	486,162	6,042,593	10,182	8,982	402,457	7,276,254
1986	207,028	10,302	110,479	530,803	6,372,710	10,536	10,341	415,776	7,667,975
1987	205,002	10,259	109,401	533,451	6,378,437	10,493	10,517	412,889	7,670,450
1988	203,711	10,223	122,903	516,432	6,388,497	10,455	10,341	410,868	7,673,430
1989	224,049	11,269	116,197	564,169	6,747,046	11,526	11,102	452,406	8,137,763
1990	271,051	13,666	148,238	664,040	8,111,616	13,976	13,206	547,974	9,783,767
1991	275,748	13,854	144,486	662,755	8,111,610	14,168	13,218	556,474	9,792,313
1992	317,889	16,027	162,466	764,224	9,115,453	16,393	18,209	642,672	11,053,333
1993	359,879	17,989	184,477	831,662	10,372,245	18,399	19,560	724,397	12,528,608
1994	309,084	15,486	224,254	738,619	9,789,833	15,839	16,434	622,879	11,732,427
1995	395,441	19,918	220,899	898,339	11,190,121	20,373	21,551	799,070	13,565,713
1996	362,623	19,968	301,835	902,162	11,872,821	20,424	21,664	796,711	14,298,209
1997	366,476	20,154	186,450	942,987	10,558,144	20,613	19,344	806,084	12,920,252
1998	453,033	24,560	288,906	1,098,213	12,207,920	25,122	21,594	995,194	15,114,543
1999	384,169	21,168	275,698	980,700	11,106,789	21,650	21,913	844,306	13,656,391
2000	384,704	21,155	206,915	1,023,474	9,953,977	21,656	22,822	844,517	12,479,220
2001	463,709	25,514	231,713	1,211,557	11,265,338	26,105	31,783	1,018,354	14,274,074
2002	426,218	21,572	223,769	1,080,828	10,227,640	22,080	25,646	813,668	12,841,421
2003	494,752	25,202	242,078	1,177,971	11,268,413	25,794	30,739	944,655	14,209,603
2004	442,084	22,638	244,298	1,124,290	10,636,869	61,698	25,464	731,713	13,289,054
2005	427,271	21,928	257,146	1,013,649	10,307,500	59,685	24,396	708,154	12,819,729
2006	463,703	23,716	195,995	1,108,027	10,310,648	71,604	26,365	764,446	12,964,504
2007	525,339	26,640	234,418	1,265,514	11,649,147	82,194	27,074	861,469	14,671,795
2008	624,426	32,189	369,529	1,523,612	15,047,970	101,240	32,491	1,034,658	18,766,116
2009	513,986	26,133	334,992	1,262,887	12,703,918	83,757	26,741	844,235	15,796,649
2010	497,866	28,918	406,853	1,310,362	13,110,520	93,911	27,631	863,987	16,340,048
2011	601,994	35,255	403,524	1,640,942	15,513,113	111,505	39,506	1,050,583	19,396,422
2012	569,718	33,274	361,069	1,608,884	15,233,336	103,893	31,051	992,405	18,933,631
2013	649,085	38,034	410,871	1,710,149	16,606,569	117,805	30,895	1,133,183	20,696,590
2014	696,585	42,073	524,934	1,852,288	19,002,410	133,504	44,496	1,236,659	23,532,949
2015	649,295	42,346	641,610	1,820,796	19,546,158	137,417	44,320	1,239,827	24,121,770
2016	663,376	43,588	374,383	1,867,979	17,816,635	130,876	45,315	1,273,310	22,215,463
2017	780,954	50,821	437,832	2,147,715	21,238,756	153,468	59,164	1,488,972	26,357,681
2018	<b>941,308</b>	<b>55,860</b>	<b>465,924</b>	<b>2,367,696</b>	<b>24,472,441</b>	<b>168,234</b>	<b>64,987</b>	<b>1,637,075</b>	<b>30,173,526</b>
2019	970,130	57,549	483,747	2,452,205	25,326,372	173,488	63,888	1,686,757	31,214,136
2020	856,608	55,291	467,127	2,275,349	24,257,459	166,715	63,307	1,620,311	29,762,165
2021	865,174	55,843	471,798	2,298,102	24,500,033	168,382	63,940	1,636,514	30,059,787
2022	873,826	56,402	476,516	2,321,083	24,745,034	170,066	64,579	1,652,879	30,360,385
2023	882,565	56,966	481,281	2,344,294	24,992,484	171,767	65,225	1,669,408	30,663,989
2024	891,390	57,536	486,094	2,367,737	25,242,408	173,484	65,877	1,686,102	30,970,628
2025	900,304	58,111	490,955	2,391,414	25,494,832	175,219	66,536	1,702,963	31,280,334
2026	909,307	58,692	495,864	2,415,328	25,749,782	176,972	67,201	1,719,993	31,593,139
2027	918,400	59,279	500,823	2,439,482	26,007,278	178,741	67,873	1,737,193	31,909,069
2028	927,584	59,872	505,831	2,463,876	26,267,352	180,529	68,552	1,754,565	32,228,160
2029	936,860	60,470	510,890	2,488,515	26,530,025	182,334	69,238	1,772,110	32,550,442
2030	946,229	61,075	515,999	2,513,400	26,795,326	184,157	69,930	1,789,831	32,875,947
2031	955,691	61,686	521,158	2,538,534	27,063,278	185,999	70,629	1,807,730	33,204,705
2032	965,248	62,303	526,370	2,563,920	27,333,912	187,859	71,336	1,825,807	33,536,753
2033	974,900	62,926	531,634	2,589,559	27,607,251	189,737	72,049	1,844,065	33,872,121
2034	984,649	63,555	536,950	2,615,454	27,883,323	191,635	72,769	1,862,506	34,210,842
2035	994,496	64,191	542,320	2,641,609	28,162,156	193,551	73,497	1,881,131	34,552,950
<b>TOTAL</b>	<b>32,512,742</b>	<b>1,933,178</b>	<b>18,648,225</b>	<b>84,253,898</b>	<b>897,288,699</b>	<b>5,068,570</b>	<b>2,121,499</b>	<b>61,382,895</b>	<b>1,103,209,706</b>



TABLE B-16A Minimum OMP&R Component of Transportation Charge for Each Contractor (in dollars)

Sheet 4 of 4

Calendar Year	SOUTHERN CALIFORNIA AREA (continued)				FEATHER RIVER AREA				South Bay Area Future Contractor	Grand Total
	San Geronio	Metropolitan	Ventura	Total	Yuba City	Butte	Plumas	Total		
1961	[30] 0	[31] 0	[32] 0	[33] 0	[34] 0	[35] 0	[36] 0	[37] 0	[38] 0	[39] 0
1962	0	0	0	0	0	0	0	0	3,219	42,918
1963	0	0	0	0	0	0	0	0	12,626	168,358
1964	0	0	0	0	0	0	0	0	13,938	184,729
1965	0	0	0	0	0	0	0	0	28,937	378,874
1966	0	0	0	0	0	0	0	0	31,321	408,397
1967	0	0	0	0	0	0	0	0	47,718	634,505
1968	8,821	972,734	9,504	1,218,520	0	0	0	0	46,945	2,745,160
1969	11,704	1,295,607	12,610	1,654,810	0	0	0	0	52,963	4,074,939
1970	14,623	1,624,569	15,746	2,069,923	0	0	0	0	69,744	4,676,282
1971	24,302	2,716,584	26,118	3,421,555	0	0	54	54	55,532	6,185,714
1972	89,131	8,038,463	68,369	10,035,857	0	0	40	40	80,412	12,998,869
1973	117,779	9,890,316	78,313	12,289,296	0	0	1	1	54,219	15,194,233
1974	128,169	11,581,491	83,453	14,166,551	0	0	143	143	76,783	17,372,561
1975	147,899	13,584,548	101,893	16,593,957	0	0	1,069	1,069	84,547	20,517,423
1976	158,664	12,862,489	94,799	16,037,419	0	0	139	139	106,717	20,027,213
1977	178,774	16,203,699	121,966	19,892,683	0	0	892	892	98,618	24,213,489
1978	186,384	17,811,770	132,435	21,568,747	0	0	39	39	100,786	26,012,786
1979	186,688	16,414,289	126,756	20,238,761	0	0	3,235	3,235	119,352	24,675,598
1980	248,399	20,926,898	154,096	25,901,706	0	0	416	416	178,812	32,038,398
1981	259,244	23,731,024	186,592	29,224,860	0	0	3,847	3,847	185,347	35,516,366
1982	307,955	27,994,510	209,141	34,323,374	0	0	11,075	11,075	173,894	41,611,655
1983	394,524	38,953,367	326,258	47,754,649	0	0	1,928	1,928	220,926	56,802,781
1984	496,808	45,597,671	382,104	56,371,786	0	0	3,765	3,765	225,959	67,072,552
1985	531,765	50,064,444	416,652	61,532,075	0	0	2,888	2,888	340,322	73,228,724
1986	551,066	52,858,915	442,334	64,885,109	0	0	2,787	2,787	279,227	76,682,113
1987	564,352	50,737,631	411,276	62,892,287	0	0	2,388	2,388	345,116	75,240,981
1988	593,787	51,262,231	406,248	63,712,844	0	0	545	545	365,207	76,126,695
1989	576,852	52,638,942	431,020	64,815,349	0	0	1,800	1,800	422,329	78,708,338
1990	667,687	61,053,824	494,721	75,175,234	0	0	788	788	474,284	91,448,066
1991	711,803	60,874,529	470,139	75,935,908	0	0	3,654	3,654	214,683	91,098,893
1992	688,558	67,460,598	502,131	82,396,469	0	0	647	647	443,676	100,077,320
1993	828,208	68,749,547	538,751	85,955,990	0	0	3,630	3,630	599,571	107,321,034
1994	783,691	63,898,029	473,897	80,045,461	0	0	2,279	2,279	609,966	101,233,250
1995	785,191	68,079,888	523,512	85,080,005	0	0	2,906	2,906	534,971	107,378,966
1996	773,653	72,757,439	561,100	89,927,727	0	0	8,007	8,007	571,857	113,585,948
1997	917,372	75,655,465	564,455	94,454,555	0	0	7,449	7,449	428,638	114,939,131
1998	1,000,558	80,540,695	608,294	102,766,204	0	0	0	0	465,095	129,072,817
1999	1,066,898	86,320,578	637,626	109,274,730	0	0	0	0	584,116	136,697,736
2000	964,297	82,505,333	636,095	105,392,336	0	0	0	0	0	131,148,648
2001	950,095	92,945,584	709,090	117,469,986	0	0	0	0	0	146,246,848
2002	922,155	85,413,719	657,483	107,858,407	0	0	0	0	0	143,375,836
2003	1,514,531	82,357,577	621,295	107,401,907	0	0	3,425	3,425	0	138,781,813
2004	1,435,491	99,543,042	761,679	127,059,044	0	0	3,455	3,455	0	155,848,398
2005	1,587,021	74,184,438	652,293	104,198,067	0	0	3,452	3,452	0	130,734,153
2006	1,455,257	76,279,683	600,050	109,704,906	0	0	3,904	3,904	0	136,196,772
2007	1,832,805	105,019,512	862,669	142,452,573	0	0	3,517	3,517	0	172,617,820
2008	2,482,130	113,265,122	979,467	156,457,094	0	0	5,035	5,035	0	194,094,193
2009	2,379,922	99,862,470	829,250	139,590,070	0	0	844	844	0	172,856,214
2010	2,581,202	97,650,826	785,706	137,515,347	0	0	1,071	1,071	0	174,805,980
2011	2,655,865	105,453,545	848,936	150,175,258	0	0	2,754	2,754	0	192,562,009
2012	2,635,850	118,454,615	955,963	166,928,400	0	0	1,093	1,093	0	212,393,656
2013	2,707,720	132,625,159	1,121,850	186,017,697	0	0	289	289	0	233,903,888
2014	3,107,639	147,306,939	1,182,844	209,107,023	0	0	116	116	0	260,202,881
2015	3,098,937	131,750,858	1,046,322	189,629,811	0	0	117	117	0	245,427,463
2016	3,294,408	132,084,834	1,068,230	189,442,288	0	0	5,401	5,401	0	251,559,329
2017	3,147,998	165,972,016	1,447,623	224,466,407	0	0	295	295	0	283,961,055
2018	<b>3,302,187</b>	<b>178,243,949</b>	<b>1,475,810</b>	<b>246,990,573</b>	<b>0</b>	<b>0</b>	<b>284</b>	<b>284</b>	<b>0</b>	<b>307,168,548</b>
2019	3,426,825	177,840,984	1,490,147	246,977,408	0	0	293	293	0	309,448,593
2020	3,309,281	173,995,694	1,485,137	239,845,769	0	0	293	293	0	301,258,732
2021	3,342,375	175,735,650	1,499,988	242,244,227	0	0	296	296	0	304,271,318
2022	3,375,799	177,493,006	1,514,988	244,666,670	0	0	299	299	0	307,314,033
2023	3,409,556	179,267,937	1,530,138	247,113,336	0	0	302	302	0	310,387,171
2024	3,443,652	181,060,615	1,545,440	249,584,469	0	0	305	305	0	313,491,044
2025	3,478,088	182,871,220	1,560,894	252,080,310	0	0	308	308	0	316,625,952
2026	3,512,870	184,699,934	1,576,503	254,601,119	0	0	311	311	0	319,792,215
2027	3,547,998	186,546,932	1,592,268	257,147,124	0	0	314	314	0	322,990,131
2028	3,583,478	188,412,403	1,608,191	259,718,599	0	0	317	317	0	326,220,036
2029	3,619,312	190,296,528	1,624,273	262,315,785	0	0	320	320	0	329,482,237
2030	3,655,505	192,199,494	1,640,515	264,938,945	0	0	324	324	0	332,777,065
2031	3,692,061	194,121,486	1,656,920	267,588,330	0	0	327	327	0	336,104,826
2032	3,728,981	196,062,700	1,673,490	270,264,211	0	0	330	330	0	339,465,874
2033	3,766,271	198,023,330	1,690,225	272,966,858	0	0	333	333	0	342,860,536
2034	3,803,933	200,003,562	1,707,127	275,696,525	0	0	337	337	0	346,289,141
2035	3,841,973	202,003,598	1,724,198	278,453,490	0	0	340	340	0	349,752,035
<b>TOTAL</b>	<b>116,594,774</b>	<b>6,534,707,079</b>	<b>53,975,408</b>	<b>8,835,674,767</b>	<b>0</b>	<b>0</b>	<b>106,812</b>	<b>106,812</b>	<b>8,748,370</b>	<b>11,078,810,258</b>

**TABLE B-16B Minimum OMP&R Component of Transportation Charge for Each Contractor for Off-Aqueduct Power Facilities<sup>a,b</sup> (in dollars)**

Sheet 1 of 4

Calendar Year	NORTH BAY AREA			SOUTH BAY AREA				CENTRAL COASTAL AREA		
	Napa	Solano	Total	Alameda-Zone 7	Alameda County	Santa Clara	Total	San Luis Obispo	Santa Barbara	Total
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]
1971	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0
1983	10,070	0	10,070	47,473	31,446	863,937	942,856	0	0	0
1984	29,957	0	29,957	157,280	77,388	2,040,188	2,274,856	0	0	0
1985	54,709	0	54,709	458,427	582,679	2,696,450	3,737,556	0	0	0
1986	45,887	0	45,887	312,938	365,147	2,595,765	3,273,850	0	0	0
1987	90,385	0	90,385	622,029	674,111	2,306,079	3,602,219	0	0	0
1988	115,970	114,196	230,166	616,865	804,606	2,116,236	3,537,707	0	0	0
1989	64,584	138,240	202,824	407,353	396,069	1,389,347	2,192,769	0	0	0
1990	77,126	138,805	215,931	535,269	514,372	1,490,250	2,539,891	0	0	0
1991	35,178	245,181	280,359	355,578	477,883	1,065,488	1,898,949	0	165,930	165,930
1992	74,573	230,716	305,289	405,244	529,119	1,183,466	2,117,829	0	0	0
1993	89,214	247,977	337,191	841,383	256,930	1,552,562	2,650,875	0	0	0
1994	111,942	229,598	341,540	501,812	559,683	1,395,238	2,456,733	0	0	0
1995	96,842	235,605	332,447	833,227	492,578	796,524	2,122,329	0	0	0
1996	63,698	205,414	269,112	367,297	304,845	1,189,291	1,861,433	711	105	816
1997	48,518	193,255	241,773	455,751	294,951	1,220,497	1,971,199	44,788	298,986	343,774
1998	82,317	251,217	333,534	380,321	380,282	1,103,662	1,864,265	198,376	1,028,220	1,226,596
1999	58,017	195,562	253,579	559,900	446,655	1,039,572	2,046,127	147,204	791,946	939,150
2000	28,759	128,393	157,152	374,808	237,138	748,820	1,360,766	82,628	474,268	556,896
2001	81,666	157,196	238,862	396,340	233,205	673,431	1,302,976	134,574	595,294	729,868
2002	40,236	127,750	167,986	383,365	229,280	519,819	1,132,464	91,639	583,933	675,572
2003	37,618	92,735	130,353	301,657	180,804	643,729	1,126,190	78,771	477,048	555,819
2004	50,289	128,180	178,469	447,802	210,093	546,342	1,204,237	92,836	662,110	754,946
2005	53,455	149,328	202,783	452,896	265,252	772,420	1,490,568	106,901	587,036	693,937
2006	59,239	127,708	186,947	476,295	277,304	798,098	1,551,697	109,498	605,502	715,000
2007	82,724	182,954	265,678	445,250	246,862	740,211	1,432,323	103,331	759,114	862,445
2008	200,185	304,502	504,687	861,568	428,737	1,074,975	2,365,280	184,501	997,507	1,182,008
2009	167,186	237,569	404,755	708,409	418,456	1,279,442	2,406,307	209,684	853,143	1,062,827
2010	186,503	221,486	407,989	876,092	407,548	1,266,270	2,549,910	203,422	963,122	1,166,544
2011	121,673	145,499	267,172	685,604	372,699	1,174,038	2,232,341	147,645	829,034	976,679
2012	130,199	185,005	315,204	830,163	319,227	1,135,648	2,285,038	186,059	920,215	1,106,274
2013	114,869	172,310	287,179	609,808	327,688	1,046,787	1,984,283	121,826	607,752	729,578
2014	97,013	94,810	191,823	317,446	235,476	541,866	1,094,788	83,501	442,785	526,286
2015	35,066	47,874	82,940	140,365	92,557	306,876	539,798	38,476	155,225	193,701
2016	4,575	8,333	12,908	30,412	17,784	64,139	112,335	5,554	33,615	39,169
2017	3,959	7,783	11,742	25,217	16,760	56,185	98,162	4,312	24,593	28,905
<b>2018</b>	<b>3,783</b>	<b>7,099</b>	<b>10,882</b>	<b>23,083</b>	<b>15,262</b>	<b>50,531</b>	<b>88,876</b>	<b>4,715</b>	<b>22,565</b>	<b>27,280</b>
2019	14,571	16,765	31,336	54,721	28,450	74,408	157,578	39,916	82,098	122,014
2020	403	477	880	1,513	788	2,058	4,359	1,110	2,270	3,381
2021	402	491	893	1,511	785	2,054	4,350	1,109	2,266	3,376
2022	402	491	893	1,511	785	2,054	4,350	1,109	2,266	3,376
2023	402	491	893	1,511	785	2,054	4,350	1,109	2,266	3,376
2024	402	491	893	1,511	785	2,054	4,350	1,109	2,266	3,376
2025	402	491	893	1,511	785	2,054	4,350	1,109	2,266	3,376
2026	402	491	893	1,511	785	2,054	4,350	1,109	2,266	3,376
2027	402	491	893	1,511	785	2,054	4,350	1,109	2,266	3,376
2028	402	491	893	1,511	785	2,054	4,350	1,109	2,266	3,376
2029	402	491	893	1,511	785	2,054	4,350	1,109	2,266	3,376
2030	402	491	893	1,511	785	2,054	4,350	1,109	2,266	3,376
2031	402	491	893	1,511	785	2,054	4,350	1,109	2,266	3,376
2032	402	491	893	1,511	785	2,054	4,350	1,109	2,266	3,376
2033	402	491	893	1,511	785	2,054	4,350	1,109	2,266	3,376
2034	402	491	893	1,511	785	2,054	4,350	1,109	2,266	3,376
2035	402	491	893	1,511	785	2,054	4,350	1,109	2,266	3,376
<b>TOTAL</b>	<b>2,668,991</b>	<b>4,976,887</b>	<b>7,645,878</b>	<b>16,323,619</b>	<b>11,761,894</b>	<b>39,591,455</b>	<b>67,676,969</b>	<b>2,438,617</b>	<b>12,997,411</b>	<b>15,436,028</b>

<sup>a</sup> 1983 through 2016 changes are debt service only and do not include bond cover.

<sup>b</sup> 2009 through 2019 charges include Reid Gardner separation costs that are allocated to contractors based on theoretical energy use over the facility service life, 1983–2013.



**TABLE B-16B Minimum OMP&R Component of Transportation Charge for Each Contractor for Off-Aqueduct Power Facilities<sup>a,b</sup> (in dollars)**

Sheet 2 of 4

Calendar Year	SAN JOAQUIN VALLEY AREA							
	Dudley Ridge	Empire	Kern		Kings	Oak Flat	Tulare	Total
			Municipal and Industrial	Agricultural				
	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]
1971	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0
1983	159,191	0	34,366	2,964,185	13,174	9,673	3,733	3,184,322
1984	389,518	0	816,103	9,095,509	26,774	33,576	49,601	10,411,081
1985	527,952	59,322	1,053,957	11,978,046	38,810	42,297	1,253,257	14,953,641
1986	552,172	12,858	885,988	11,788,714	40,659	38,275	872,008	14,190,674
1987	450,941	24,936	1,192,388	10,448,063	39,134	37,538	911,938	13,104,938
1988	425,261	31,146	1,130,988	9,910,050	35,851	26,779	850,225	12,410,300
1989	331,852	17,226	607,908	7,400,983	22,959	24,306	754,007	9,159,241
1990	219,381	7,731	428,482	5,216,562	12,089	12,046	344,943	6,241,234
1991	13,048	3,111	570,942	146,276	0	1,354	30,685	765,416
1992	244,630	13,395	706,155	5,788,599	18,587	15,716	480,903	7,267,985
1993	471,706	25,543	1,202,455	11,405,212	37,276	36,803	1,159,908	14,338,903
1994	262,029	15,161	901,463	6,786,208	19,257	19,061	567,521	8,570,700
1995	626,214	16,830	1,486,494	12,489,555	41,275	36,377	1,051,178	15,747,923
1996	407,919	13,446	1,226,968	9,219,091	28,668	24,001	1,691,135	12,611,228
1997	423,144	(6)	794,476	7,471,645	(31)	22,025	137,304	8,848,557
1998	471,993	4,597	837,228	8,366,817	127	25,458	175,371	9,881,591
1999	360,554	19,182	874,948	7,723,883	24,159	20,065	1,749,925	10,772,716
2000	193,895	5,762	392,659	4,215,772	11,530	9,847	667,127	5,496,592
2001	200,485	6,563	113,854	2,948,087	7,528	11,821	287,409	3,575,747
2002	153,306	4,540	308,554	2,797,916	9,223	10,767	299,940	3,584,246
2003	125,188	3,901	301,142	2,626,386	10,030	7,904	287,531	3,362,082
2004	168,005	12,193	457,106	2,914,113	30,989	10,807	278,204	3,871,417
2005	315,142	14,807	358,007	5,609,958	76,490	11,047	540,681	6,926,132
2006	287,977	13,112	401,503	5,488,668	38,075	11,559	432,313	6,673,207
2007	189,684	8,758	242,253	3,662,405	24,280	10,224	365,975	4,503,579
2008	184,682	7,887	381,864	3,930,067	31,949	11,276	282,379	4,830,104
2009	181,200	8,817	63,082	4,518,839	28,827	11,595	314,621	5,126,981
2010	250,194	27,117	96,128	5,774,210	40,474	16,580	488,098	6,692,801
2011	362,592	11,506	290,168	7,797,111	39,939	11,233	338,448	8,850,997
2012	139,042	16,387	281,108	5,881,018	53,747	16,121	654,940	7,042,363
2013	174,617	9,247	247,481	4,100,710	25,730	11,818	300,486	4,870,089
2014	121,811	4,353	114,780	2,211,296	10,098	7,131	151,394	2,620,863
2015	57,355	2,365	89,264	1,214,150	5,119	3,182	93,155	1,464,590
2016	14,110	658	23,353	310,074	1,456	853	27,003	377,507
2017	14,150	598	24,966	298,309	1,366	844	26,708	366,941
<b>2018</b>	<b>12,509</b>	<b>538</b>	<b>22,665</b>	<b>265,032</b>	<b>1,237</b>	<b>764</b>	<b>23,763</b>	<b>326,508</b>
2019	13,198	832	44,577	311,845	2,633	1,078	24,246	398,409
2020	365	23	1,233	8,624	73	30	671	11,018
2021	364	23	1,231	8,609	73	30	669	10,998
2022	364	23	1,231	8,609	73	30	669	10,998
2023	364	23	1,231	8,609	73	30	669	10,998
2024	364	23	1,231	8,609	73	30	669	10,998
2025	364	23	1,231	8,609	73	30	669	10,998
2026	364	23	1,231	8,609	73	30	669	10,998
2027	364	23	1,231	8,609	73	30	669	10,998
2028	364	23	1,231	8,609	73	30	669	10,998
2029	364	23	1,231	8,609	73	30	669	10,998
2030	364	23	1,231	8,609	73	30	669	10,998
2031	364	23	1,231	8,609	73	30	669	10,998
2032	364	23	1,231	8,609	73	30	669	10,998
2033	364	23	1,231	8,609	73	30	669	10,998
2034	364	23	1,231	8,609	73	30	669	10,998
2035	364	23	1,231	8,609	73	30	669	10,998
<b>TOTAL</b>	<b>9,502,477</b>	<b>424,786</b>	<b>19,025,514</b>	<b>205,213,116</b>	<b>850,651</b>	<b>602,277</b>	<b>17,978,774</b>	<b>253,597,596</b>

<sup>a</sup> 1983 through 2016 charges are debt service only and do not include bond cover.

<sup>b</sup> 2009 through 2019 charges include Reid Gardner separation costs that are allocated to contractors based on theoretical energy use over the facility service life, 1983–2013.

**TABLE B-16B Minimum OMP&R Component of Transportation Charge for Each Contractor for Off-Aqueduct Power Facilities<sup>a,b</sup> (in dollars)**

Calendar Year	SOUTHERN CALIFORNIA AREA									
	AVEK	Castaic Lake	Coachella	Crestline	Desert	Littlerock	Mojave	Palmdale	San Bernardino	San Gabriel
	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]
1971	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0
1983	1,083,881	411,247	565,798	35,432	894,572	1,250	0	0	233,134	28,548
1984	2,499,848	1,122,640	1,427,428	102,114	2,263,172	77	0	0	502,967	693,074
1985	3,749,257	1,572,025	2,032,672	170,137	3,230,451	0	0	157,601	884,188	601,583
1986	3,159,857	1,694,487	2,097,408	173,460	3,340,188	15,873	0	301,486	739,563	1,088,901
1987	3,167,759	1,694,698	1,991,841	190,149	3,230,424	95,994	1,786	258,719	1,951,799	1,091,691
1988	2,688,113	1,776,471	1,940,156	187,156	3,194,137	30,395	846	126,639	2,000,664	839,774
1989	2,357,669	1,348,806	1,326,863	132,076	2,218,516	50,948	13,206	493,424	1,257,332	792,087
1990	2,528,625	1,335,341	1,463,452	115,746	2,413,745	110,678	0	545,342	1,192,997	1,054,762
1991	1,048,414	531,160	1,022,405	125,256	1,686,304	65,111	473,291	488,207	540,119	796,531
1992	2,760,199	1,548,472	1,124,775	55,985	1,855,065	22,891	1,130,876	367,996	362,232	853,047
1993	3,559,487	1,332,392	2,256,338	29,498	3,721,492	60,615	1,101,799	640,919	425,969	1,406,255
1994	3,963,982	1,450,328	1,345,145	74,879	2,218,411	88,549	1,371,116	678,876	871,358	1,452,741
1995	4,324,009	1,901,361	2,498,462	44,237	4,120,837	43,892	881,146	636,541	75,278	1,397,623
1996	3,572,856	1,507,542	4,652,945	77,384	7,674,388	31,691	760,763	723,670	458,246	1,201,941
1997	3,411,379	1,468,949	4,294,703	42,135	4,319,206	24,319	891,191	648,652	625,340	1,175,556
1998	3,977,988	1,599,394	7,554,910	16,624	6,174,031	30,365	508,248	657,806	166,952	827,650
1999	3,696,973	1,694,851	3,195,685	71,662	3,678,076	18,305	501,486	710,674	815,001	1,375,575
2000	2,372,130	994,396	1,420,806	40,083	1,954,947	0	374,972	257,146	617,664	508,258
2001	2,680,895	1,418,179	460,256	53,460	759,169	0	213,385	445,872	1,339,699	119,363
2002	1,668,457	1,384,832	567,521	74,145	936,215	0	140,035	529,674	2,414,011	841,746
2003	1,445,146	1,353,956	411,258	44,506	678,236	0	405,376	277,984	780,631	624,561
2004	1,813,317	1,677,090	554,874	71,974	760,283	0	465,965	368,929	2,072,770	449,963
2005	2,047,638	1,443,555	1,721,141	32,667	1,987,091	0	542,366	400,828	1,568,493	566,063
2006	2,845,985	1,617,750	5,071,235	26,843	2,093,821	0	1,417,777	442,278	1,533,665	681,916
2007	2,990,954	1,864,667	3,225,680	77,880	1,331,802	0	2,023,088	710,515	2,639,102	177,256
2008	3,547,772	3,303,503	4,059,802	74,029	2,237,582	1,845	2,200,333	1,052,126	3,410,480	629,597
2009	3,350,539	3,010,931	4,067,070	79,671	1,633,327	3,263	2,559,670	1,152,062	3,948,007	1,025,723
2010	4,321,133	2,663,067	7,385,867	31,714	2,730,993	177	3,304,241	810,142	4,668,858	1,673,291
2011	4,952,954	1,811,301	5,605,548	13,018	2,290,872	407	309,065	551,068	2,185,513	1,468,910
2012	5,401,397	2,619,529	8,864,502	48,852	3,451,280	495	848,848	1,072,349	7,388,666	1,677,958
2013	2,563,236	2,266,914	3,520,765	77,123	1,425,559	3,270	475,946	512,798	1,986,377	591,150
2014	1,148,978	1,191,895	1,021,712	56,389	644,953	3,804	273,011	348,413	787,781	231,637
2015	530,003	545,173	828,767	25,589	460,870	2,214	205,015	131,952	568,141	185,603
2016	154,324	95,083	167,265	3,973	121,834	746	46,692	29,247	120,432	48,601
2017	149,214	85,519	137,794	3,645	118,209	874	35,206	26,070	86,142	42,319
2018	<b>134,488</b>	<b>79,107</b>	<b>127,404</b>	<b>3,575</b>	<b>106,445</b>	<b>874</b>	<b>36,012</b>	<b>24,456</b>	<b>80,100</b>	<b>38,350</b>
2019	321,370	243,605	401,963	16,851	161,977	5,650	201,643	80,194	298,095	83,676
2020	9,202	6,737	11,116	466	4,479	156	5,576	2,218	8,244	2,314
2021	9,531	6,725	11,096	465	4,471	156	5,566	2,214	8,229	2,310
2022	9,531	6,725	11,096	465	4,471	156	5,566	2,214	8,229	2,310
2023	9,531	6,725	11,096	465	4,471	156	5,566	2,214	8,229	2,310
2024	9,531	6,725	11,096	465	4,471	156	5,566	2,214	8,229	2,310
2025	9,531	6,725	11,096	465	4,471	156	5,566	2,214	8,229	2,310
2026	9,531	6,725	11,096	465	4,471	156	5,566	2,214	8,229	2,310
2027	9,531	6,725	11,096	465	4,471	156	5,566	2,214	8,229	2,310
2028	9,531	6,725	11,096	465	4,471	156	5,566	2,214	8,229	2,310
2029	9,531	6,725	11,096	465	4,471	156	5,566	2,214	8,229	2,310
2030	9,531	6,725	11,096	465	4,471	156	5,566	2,214	8,229	2,310
2031	9,531	6,725	11,096	465	4,471	156	5,566	2,214	8,229	2,310
2032	9,531	6,725	11,096	465	4,471	156	5,566	2,214	8,229	2,310
2033	9,531	6,725	11,096	465	4,471	156	5,566	2,214	8,229	2,310
2034	9,531	6,725	11,096	465	4,471	156	5,566	2,214	8,229	2,310
2035	9,531	6,725	11,096	465	4,471	156	5,566	2,214	8,229	2,310
<b>TOTAL</b>	<b>96,142,400</b>	<b>53,767,824</b>	<b>90,589,777</b>	<b>2,507,361</b>	<b>82,190,030</b>	<b>717,067</b>	<b>23,803,472</b>	<b>16,696,079</b>	<b>51,729,444</b>	<b>28,380,242</b>

<sup>a</sup> 1983 through 2016 charges are debt service only and do not include bond cover.

<sup>b</sup> 2009 through 2019 charges include Reid Gardner separation costs that are allocated to contractors based on theoretical energy use over the facility service life, 1983–2013.

**TABLE B-16B Minimum OMP&R Component of Transportation Charge for Each Contractor for Off-Aqueduct Power Facilities<sup>a,b</sup> (in dollars)**

Sheet 4 of 4

Calendar Year	SOUTHERN CALIFORNIA AREA (continued)				FEATHER RIVER AREA				Total State Water Project <sup>c</sup>
	San Geronio	Metropolitan	Ventura	Total	Yuba City	Butte	Plumas	Total	
	[29]	[30]	[31]	[32]	[33]	[34]	[35]	[36]	[37]
1971	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0
1983	0	12,791,358	0	16,045,220	0	0	0	0	20,182,468
1984	0	39,229,567	0	47,840,887	0	0	0	0	60,556,781
1985	0	77,446,523	0	89,844,437	0	0	0	0	108,590,343
1986	0	77,581,287	0	90,192,510	0	0	0	0	107,702,921
1987	0	68,939,195	0	82,614,055	0	0	0	0	99,411,597
1988	0	79,936,309	0	92,720,660	0	0	0	0	108,898,833
1989	0	68,311,546	0	78,302,473	0	0	0	0	89,857,307
1990	0	83,964,409	277,885	95,002,982	0	0	0	0	104,000,038
1991	0	54,214,229	132,209	61,123,236	0	0	0	0	64,233,890
1992	0	72,401,054	0	82,482,592	0	0	0	0	92,173,695
1993	0	55,312,615	0	69,847,379	0	0	0	0	87,174,348
1994	0	72,838,621	0	86,354,006	0	0	0	0	97,722,979
1995	0	40,862,813	0	56,786,199	0	0	0	0	74,988,898
1996	0	36,536,259	401	57,198,086	0	0	0	0	71,940,675
1997	0	37,121,379	108,559	54,131,368	0	0	0	0	65,536,671
1998	0	30,341,609	149,170	52,004,747	0	0	0	0	65,310,733
1999	0	42,257,580	106,226	58,122,094	0	0	0	0	72,133,666
2000	0	43,977,877	123,318	52,641,597	0	0	0	0	60,213,003
2001	0	49,405,276	84,868	56,980,422	0	0	0	0	62,827,875
2002	0	45,412,974	153,549	54,123,159	0	0	0	0	59,683,427
2003	3,303	41,917,356	129,134	48,071,447	0	0	0	0	53,245,891
2004	44,648	58,676,035	170,851	67,126,699	0	0	0	0	73,135,768
2005	41,448	56,220,579	61,131	66,633,000	0	0	0	0	75,946,420
2006	265,078	60,701,335	70,268	76,767,951	0	0	0	0	85,894,802
2007	248,328	61,354,857	119,861	76,763,990	0	0	0	0	83,828,015
2008	616,986	72,144,765	300,729	93,579,549	0	0	0	0	102,461,628
2009	819,589	71,530,603	313,357	93,493,812	0	0	0	0	102,494,682
2010	1,048,807	88,263,837	322,003	117,224,130	0	0	0	0	128,041,374
2011	954,501	80,381,761	225,564	100,750,482	0	0	0	0	113,077,671
2012	1,225,982	78,031,475	299,385	110,930,718	0	0	0	0	121,679,597
2013	679,437	49,351,291	144,019	63,597,885	0	0	0	0	71,469,014
2014	284,110	24,242,063	30,070	30,264,816	0	0	0	0	34,698,576
2015	90,577	14,384,861	27,465	17,986,230	0	0	0	0	20,267,259
2016	19,135	3,292,201	7,185	4,106,718	0	0	0	0	4,648,637
2017	10,284	2,932,511	5,990	3,633,777	0	0	0	0	4,139,527
<b>2018</b>	<b>10,165</b>	<b>2,620,002</b>	<b>5,476</b>	<b>3,266,454</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,720,000</b>
2019	73,992	4,608,473	13,176	6,510,663	0	0	0	0	7,220,000
2020	2,044	127,446	364	180,362	0	0	0	0	200,000
2021	2,037	127,218	364	180,383	0	0	0	0	200,000
2022	2,037	127,218	364	180,383	0	0	0	0	200,000
2023	2,037	127,218	364	180,383	0	0	0	0	200,000
2024	2,037	127,218	364	180,383	0	0	0	0	200,000
2025	2,037	127,218	364	180,383	0	0	0	0	200,000
2026	2,037	127,218	364	180,383	0	0	0	0	200,000
2027	2,037	127,218	364	180,383	0	0	0	0	200,000
2028	2,037	127,218	364	180,383	0	0	0	0	200,000
2029	2,037	127,218	364	180,383	0	0	0	0	200,000
2030	2,037	127,218	364	180,383	0	0	0	0	200,000
2031	2,037	127,218	364	180,383	0	0	0	0	200,000
2032	2,037	127,218	364	180,383	0	0	0	0	200,000
2033	2,037	127,218	364	180,383	0	0	0	0	200,000
2034	2,037	127,218	364	180,383	0	0	0	0	200,000
2035	2,037	127,218	364	180,383	0	0	0	0	200,000
<b>TOTAL</b>	<b>6,468,973</b>	<b>1,861,572,200</b>	<b>3,387,670</b>	<b>2,317,952,539</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,662,309,009</b>

<sup>a</sup> 1983 through 2016 charges are debt service only and do not include bond cover.

<sup>b</sup> 2009 through 2019 charges include Reid Gardner separation costs that are allocated to contractors based on theoretical energy use over the facility service life, 1983–2013.

<sup>c</sup> Costs allocated to contractors in 1989 through 2002 are reduced by credits for Off-Aqueduct Power Facility costs allocated to the pumping of non-SWP water.

TABLE B-17 Unit Variable OMP&amp;R Component of Transportation Charge (in dollars per acre-foot)

Sheet 1 of 5

Calendar Year	NORTH BAY AQUEDUCT						SOUTH BAY AQUEDUCT		CALIFORNIA AQUEDUCT	
	Reach 1 Barker Slough Pumping Plant		Reach 3A Cordelia Pumping Plant Solano		Reach 3B Cordelia Pumping Plant Napa <sup>a</sup>		Reach 1 South Bay and Del Valle Pumping Plants <sup>b</sup>		Reach 1 Banks Pumping Plant	
	Unit Rate	Cumulative Unit Rate	Unit Rate	Cumulative Unit Rate	Unit Rate	Cumulative Unit Rate	Unit Rate	Cumulative Unit Rate	Unit Rate	Cumulative Unit Rate
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	
1961	0	0	0	0	0	0	0	0	0	
1962	0	0	0	0	0	0	4.1511341	4.1511341	0	0
1963	0	0	0	0	0	0	4.5639383	4.5639383	0	0
1964	0	0	0	0	0	0	3.5452154	3.5452154	0	0
1965	0	0	0	0	0	0	4.1911773	4.1911773	0	0
1966	0	0	0	0	0	0	3.5074573	3.5074573	0	0
1967	0	0	0	0	0	0	3.9306767	4.1752198	0.2445431	0.2445431
1968	0	0	0	0	5.7570017	5.7570017	3.3315620	4.8750942	1.5435322	1.5435322
1969	0	0	0	0	3.1823595	3.1823595	3.6949019	4.8016170	1.1067151	1.1067151
1970	0	0	0	0	3.7584301	3.7584301	4.4256141	5.3721490	0.9465349	0.9465349
1971	0	0	0	0	4.2082507	4.2082507	3.8714396	4.7522833	0.8808437	0.8808437
1972	0	0	0	0	3.9577735	3.9577735	4.3250690	5.2281686	0.9030996	0.9030996
1973	0	0	0	0	3.8103903	3.8103903	5.2455409	6.1841801	0.9386391	0.9386391
1974	0	0	0	0	3.5878850	3.5878850	6.3321503	7.2293909	0.8972406	0.8972406
1975	0	0	0	0	2.1606725	2.1606725	3.7365711	4.8327731	1.0962020	1.0962020
1976	0	0	0	0	2.9283909	2.9283909	4.5191527	5.7132795	1.1941268	1.1941268
1977	0	0	0	0	2.7516411	2.7516411	4.7630172	6.5309908	1.7679736	1.7679736
1978	0	0	0	0	3.5949619	3.5949619	5.2086183	6.8200210	1.6114026	1.6114026
1979	0	0	0	0	2.4747752	2.4747752	4.9524184	7.0944849	2.1420665	2.1420665
1980	0	0	0	0	2.9737588	2.9737588	4.5186576	5.8810391	1.3623815	1.3623815
1981	0	0	0	0	2.6488168	2.6488168	4.3834851	6.4541818	2.0706967	2.0706967
1982	0	0	0	0	10.0222589	10.0222589	5.6383622	7.4005197	1.7621575	1.7621575
1983	0	0	0	0	1.0240490	1.0240490	0.8686401	1.7143948	0.8457546	0.8457546
1984	0	0	0	0	1.6496750	1.6496750	2.7674018	3.9368186	1.1694168	1.1694168
1985	0	0	0	0	2.5224065	2.5224065	3.6942206	5.2987621	1.6045415	1.6045415
1986	0	0	0	0	4.4049446	4.4049446	7.2799222	10.5919298	3.3120077	3.3120077
1987	0	0	0	0	3.5386715	3.5386715	6.4837861	9.2276309	2.7438448	2.7438448
1988	1.1782643	1.1782643	0	1.1782643	4.4547478	5.6330121	6.1750026	8.8623074	2.6873049	2.6873049
1989	1.2715449	1.2715449	2.5423866	3.8139316	4.2807103	5.5522552	8.1617218	11.6840191	3.5222973	3.5222973
1990	2.0026083	2.0026083	4.2324041	6.2350124	5.8753602	7.8779685	11.7200790	15.8516543	4.1315753	4.1315753
1991	1.2486830	1.2486830	2.6246433	3.8733263	3.8057971	5.0544801	7.5402615	11.2354099	3.6951485	3.6951485
1992	0.7094386	0.7094386	1.4175705	2.1270091	2.3509123	3.0603509	4.0600958	6.3925272	2.3324315	2.3324315
1993	-0.3464574	-0.3464574	-0.6048649	-0.9513223	-1.0200530	-1.3665104	-1.4929934	-1.2571378	0.2358556	0.2358556
1994	1.4600287	1.4600287	2.6570107	4.1170394	4.2975560	5.7575847	7.9510779	11.2405895	3.2895116	3.2895116
1995	0.7544766	0.7544766	1.2974265	2.0519031	2.2753763	3.0298529	3.2312761	5.2610469	2.0297708	2.0297708
1996	1.6427835	1.6427835	2.7704025	4.4131859	4.7993051	6.4420886	8.0186492	11.3633990	3.3447498	3.3447498
1997	1.7801484	1.7801484	3.0246843	4.8048327	5.0575904	6.8377388	9.6521246	12.6148370	2.9627125	2.9627125
1998	-0.3253238	-0.3253238	-0.5570754	-0.8823992	-0.9104311	-1.2357549	-1.8866894	-1.7684350	0.1182544	0.1182544
1999	0.8136316	0.8136316	1.3344157	2.1480473	2.2476094	3.0612409	4.1251508	6.5396327	2.1448119	2.1448119
2000	1.3866159	1.3866159	1.9633803	3.3499962	3.0210750	4.4073910	6.3105300	8.6058809	2.2953510	2.2953510
2001	8.1191305	8.1191305	12.5398434	20.6589739	22.6630508	30.7821813	42.1952424	54.9383080	12.7430656	12.7430656
2002	4.1919307	4.1919307	5.3026984	9.4946291	8.9411156	13.1330463	18.1280636	24.2060285	6.0779649	6.0779649
2003	4.3522704	4.3522704	7.0890449	11.4413153	12.8010554	17.1533258	19.2857696	26.0112488	6.7254792	6.7254792
2004	4.9185632	4.9185632	6.4207890	11.3393522	12.6192952	17.5378585	19.8727176	27.1452671	7.2725495	7.2725495
2005	6.2706237	6.2706237	7.7072771	13.9779008	18.6144338	24.8850574	25.9514011	34.0659018	8.1145007	8.1145007
2006	5.4394183	5.4394183	6.2612439	11.7006622	18.2793045	23.7187229	22.8745423	29.6889284	6.8143861	6.8143861
2007	7.7565590	7.7565590	8.2045346	15.9610936	22.7900532	30.5466123	31.6227665	40.8504831	9.2277166	9.2277166
2008	7.7709467	7.7709467	10.0846311	17.8555778	22.0074178	29.7783644	28.6366495	41.0205231	12.3838736	12.3838736
2009	5.2294947	5.2294947	6.6742086	11.9037033	14.3323038	19.5617984	21.2143060	27.1183523	5.9040464	5.9040464
2010	6.0245942	6.0245942	8.7805865	14.8051807	16.7634973	22.7880915	24.7906703	34.2260486	9.4353782	9.4353782
2011	6.8812208	6.8812208	9.0461425	15.9273633	20.2561960	27.1374169	29.9716826	40.8044387	10.8327561	10.8327561
2012	6.9362113	6.9362113	9.6110577	16.5472691	19.2555862	26.1917967	31.5199954	42.0440151	10.5240197	10.5240197
2013	8.9525467	8.9525467	10.6529685	19.6055152	25.7415676	34.6941143	36.3541436	49.3634896	13.0093460	13.0093460
2014	10.6540821	10.6540821	14.9150865	25.5691686	31.5119967	42.1660788	44.9799007	64.5182375	19.5383369	19.5383369
2015	10.9137414	10.9137414	15.3336878	26.2474292	31.6663631	42.5801045	46.8334203	67.2115631	20.3781428	20.3781428
2016	8.4275020	8.4275020	12.2383127	20.6658147	28.3912775	36.8187795	36.4827501	51.4509061	14.9681560	14.9681560
2017	12.4398325	12.4398325	36.3096782	48.7495107	2.9763346	15.4161671	44.3686237	58.8952192	14.5265956	14.5265956
<b>2018</b>	<b>19.3038595</b>	<b>19.3038595</b>	<b>37.6105458</b>	<b>56.9144053</b>	<b>48.7757176</b>	<b>68.0795771</b>	<b>40.6668109</b>	<b>55.9388606</b>	<b>15.2720498</b>	<b>15.2720498</b>
2019	18.9502385	18.9502385	36.9215395	55.8717780	47.8822044	66.8324429	40.6891852	56.0504589	15.3612737	15.3612737
2020	11.6877710	11.6877710	23.0337411	34.7215121	46.5966131	58.2843841	40.7594860	57.6009242	16.8414382	16.8414382
2021	11.8589332	11.8589332	23.3710620	35.2299953	48.6149254	60.4738586	41.3561735	50.0420032	8.6858297	8.6858297
2022	11.8168690	11.8168690	23.2881598	35.1050289	48.4424799	60.2593490	41.2094916	59.8553572	18.6458657	18.6458657
2023	11.8476149	11.8476149	23.3487697	35.1963846	48.5685419	60.4161568	41.3167264	54.6231594	13.3064330	13.3064330
2024	11.8481787	11.8481787	23.3499054	35.1980840	48.5708955	60.4190742	41.3187271	53.5630306	12.2443035	12.2443035
2025	11.8466826	11.8466826	23.3469190	35.1936016	48.5647532	60.4114357	41.3134812	56.7495684	15.4360873	15.4360873
2026	11.8535776	11.8535776	23.3605047	35.2140824	48.5929392	60.4465168	41.3374897	53.3547339	12.0172443	12.0172443
2027	11.8513226	11.8513226	23.3560883	35.2074110	48.5837543	60.4350770	41.3296601	54.7729018	13.4432417	13.4432417
2028	11.8475065	11.8475065	23.3485174	35.1960239	48.5680827	60.4155892	41.3163247	54.1651475	12.8488229	12.8488229
2029	11.8479402	11.8479402	23.3494006	35.1973408	48.5699196	60.4178598	41.3178685	54.9983727	13.6805042	13.6805042
2030	11.8480052	11.8480052	23.3495268	35.1975320	48.5701493	60.4181545	41.3180576	53.8869944	12.5689368	12.5689368
2031	11.8484172	11.8484172	23.3503260	35.1987431	48.5718140	60.4202312	41.3195069	56.7575452	15.4380383	15.4380383
2032	11.8493062	11.8493062	23.3521346	35.2014408	48.5755454	60.4248515	41.3226576	52.9892664	11.6660888	11.6660888
2033	11.8427797	11.8427797	23.3392219	35.1820016	48.5487371	60.3915168	41.2998622	56.8252515	15.5253893	15.5253893
2034	11.8481353	11.8481353	23.3497792	35.1979145	48.5706659	60.4188012	41.3185144	53.7325828	12.4140684	12.4140684
2035	11.8764744	11.8764744	23.4056362	35.2821106	48.6868542	60.5633286	41.4173447	53.8918869	12.4745421	12.4745421

<sup>a</sup> For the period 1968 through 1987, rates are for an interim facility.<sup>b</sup> The relatively minor costs of Del Valle Pumping Plant have been combined with those of South Bay Pumping Plant to simplify the allocation procedure.

TABLE B-17 Unit Variable OMP&R Component of Transportation Charge (in dollars per acre-foot)

	CALIFORNIA AQUEDUCT (continued)									
Calendar Year	Reach 4 Dos Amigos Pumping Plant		Reach 14A Buena Vista Pumping Plant		Reach 15A Teerink Pumping Plant		Reach 16A Chrisman Pumping Plant		Reach 17E Edmonston Pumping Plant	
	Unit Rate	Cumulative	Unit Rate	Cumulative	Unit Rate	Cumulative	Unit Rate	Cumulative	Unit Rate	Cumulative
	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]
1961	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0
1968	1.0732031	2.6167353	0	0	0	0	0	0	0	0
1969	0.7028165	1.8095316	0	0	0	0	0	0	0	0
1970	0.7813430	1.7278778	0.3333333	2.0612111	0	0	0	0	0	0
1971	0.4125312	1.2933749	1.1407617	2.4341366	0.7218469	3.1559834	0	0	0	0
1972	0.5662758	1.4693754	0.8894941	2.3588694	0.8040021	3.1628715	1.8113853	4.9742569	7.3206022	12.2948591
1973	0.5996892	1.5383283	0.8469026	2.3852309	1.0302066	3.4154375	1.8458304	5.2612679	7.4512435	17.1215113
1974	0.5736894	1.4709300	0.8122890	2.2832190	0.9665911	3.2498101	1.7739395	5.0237496	6.9004732	11.9242227
1975	0.4606980	1.5569000	0.7554447	2.3123448	0.8894108	3.2017555	1.8682537	5.0700092	6.9962702	12.0662794
1976	0.5163828	1.7105095	0.9081491	2.6186586	0.9640628	3.5827214	2.1499640	5.7326854	7.9384515	13.6711369
1977	0.6138931	2.3818668	0.9835371	3.3654038	1.2303967	4.5958005	2.7357728	7.3315733	9.9900004	17.3305737
1978	0.4545898	2.0659925	0.9044582	2.9704506	0.9762058	3.9466564	1.8872449	5.8339014	7.0810192	12.9149206
1979	0.6587934	2.8008600	1.0519199	3.8527798	1.1976258	5.0504056	2.6012890	7.6516946	9.6345625	17.2862572
1980	0.8021465	2.1645280	1.3516057	3.5161337	1.5041463	5.0202800	3.1923433	8.2126233	10.9860288	19.1986521
1981	1.0923907	3.1630874	1.2409168	4.4040042	1.3219771	5.7259813	2.9592932	8.6852745	9.9649551	18.6502296
1982	0.8326785	2.5948359	1.2041660	3.7990019	1.3723736	5.1713756	2.8986491	8.0700247	10.2096538	18.2796066
1983	0.3647859	1.2105406	0.7590265	1.9695670	0.8857383	2.8553053	1.7623405	4.6176458	5.5086367	10.1262825
1984	0.6581523	1.8275691	1.0533611	2.8809302	1.2188270	4.0997572	2.5407768	6.6405340	8.2344665	14.8750006
1985	0.8726163	2.4771579	1.4204831	3.8976409	1.6516291	5.5492701	3.4695783	9.0188484	11.8181234	20.8369718
1986	1.3996542	4.7116618	2.3713282	7.0829901	2.7567970	9.8397871	5.9534613	15.7932484	20.6010240	36.3942724
1987	1.2912643	4.0351091	2.2344385	6.2695476	2.5459999	8.8155474	5.3141190	14.1296664	17.7628277	31.8924941
1988	1.1947837	3.8820886	2.1129991	5.9950877	2.4017135	8.3968012	5.0055748	13.4023759	16.6001692	30.0025452
1989	1.4935226	5.0158199	2.6947446	7.7105645	3.0084211	10.7189856	6.5499538	17.2689394	22.1795336	39.4484730
1990	1.8962463	6.0278216	3.3080372	9.3358588	3.7483036	13.0841624	8.6832678	21.7674302	31.0405219	52.8079521
1991	1.0437991	4.7389476	2.1132495	6.8521971	2.4154810	9.2676780	5.6823745	14.9500525	20.4744695	35.2425220
1992	0.9002103	3.2326417	1.4836761	4.7163178	1.7077297	6.4240475	3.5445788	9.9686263	12.0459599	22.0145862
1993	0.1605206	0.3963762	-0.1405164	0.2558598	-0.1312944	0.1245654	-0.7754796	-0.6509143	-3.5828989	-4.2338132
1994	1.4208578	4.7103693	2.5100856	7.2204549	2.8029166	10.0233717	6.0772944	16.1006661	21.5000984	37.6003687
1995	0.7974861	2.8272569	1.3474564	4.1747133	1.4945529	5.6692662	3.1250716	8.7943378	10.7461772	19.5405149
1996	1.6726383	5.0173881	2.5952092	7.6125973	2.8425227	10.4551200	6.3087407	16.7638607	22.6420778	39.4059385
1997	1.2769882	4.2397005	2.5012144	6.7409148	2.6893394	9.4302542	6.2890095	15.7192637	20.30714697	38.7907334
1998	-0.2195574	-0.1013030	-0.4232465	-0.5245494	-0.4504610	-0.9750105	-1.0585256	-2.0335361	-3.8077856	-5.8413217
1999	0.8634492	3.2779311	1.4586807	4.7366118	1.3440477	6.0806594	3.5713752	9.6520347	14.2047038	23.8567384
2000	0.9235333	3.2188842	1.6219853	4.8408695	1.7828715	6.6237410	4.2029220	10.8266630	15.3882971	26.2149601
2001	6.0480040	18.7910696	11.1462381	29.9373077	12.2218485	42.1591562	28.2483594	70.4075156	105.7300557	176.1375712
2002	2.6241935	8.7021584	4.6014533	13.3036118	5.0195728	18.3231845	11.6145173	29.9377018	43.1577241	73.0954260
2003	3.1186984	9.8441776	5.5847107	15.4288883	6.0840848	21.5129731	14.1510704	35.6640435	52.6131846	88.2772280
2004	3.3307184	10.6032678	5.8667696	16.4700374	6.3726502	22.8426876	14.8454678	37.6881554	55.1910093	92.8791647
2005	3.8324365	11.9469372	6.8775620	18.8244992	7.4553008	26.2798000	17.3347915	43.6145915	62.0851423	105.6997338
2006	3.1141364	9.9285225	5.7852913	15.7138138	6.2261080	21.9399217	14.5523261	36.4922478	46.2503898	82.7426375
2007	4.5130560	13.7407726	8.0770771	21.8178497	8.7444274	30.5622771	20.2730047	50.8352818	68.5883222	119.4236041
2008	4.7889984	17.1728720	9.9147973	26.0876693	10.3633292	36.4509985	21.6282064	58.0792049	68.9930047	127.0722095
2009	3.0962388	9.0002851	5.6814008	14.6816859	6.2898604	20.9715463	13.8657241	34.8372704	63.6363983	98.4736687
2010	4.1050461	13.5404244	7.0464886	20.5869130	7.6449947	28.2319077	17.4954802	45.7273879	64.9312455	110.6586334
2011	4.5738107	15.4065668	8.0445944	23.4511612	8.6662772	32.1174384	19.9431610	52.0605994	70.8511904	122.9117898
2012	4.7350221	15.2590418	8.2150928	23.4741346	8.9892502	32.4633896	20.7027494	53.1661390	73.7128192	126.8789582
2013	5.6094674	18.6188134	9.6212861	28.2400995	10.4827113	38.7228108	24.2999013	63.0227121	87.0329290	150.0556411
2014	8.3477889	27.8861258	13.6556844	41.5418102	15.0843049	56.6261151	34.4794589	91.1055740	125.4819513	216.5875253
2015	7.5955489	27.9736917	13.7910831	41.7647747	15.1650061	56.9297808	34.3270461	91.2568269	127.5122642	218.7690731
2016	6.5039469	21.4721029	11.5321011	33.0042040	12.6833846	45.6875886	28.6932094	74.3807980	107.8618460	182.2426440
2017	5.6829406	20.2095362	8.6090732	28.8186094	9.5337487	38.3523580	21.8540994	60.2064574	81.2905379	141.4969953
<b>2018</b>	<b>6.8373367</b>	<b>22.1093865</b>	<b>12.1292522</b>	<b>34.2386387</b>	<b>13.1531878</b>	<b>47.3918264</b>	<b>30.5546062</b>	<b>77.9464326</b>	<b>113.6570014</b>	<b>191.6034340</b>
2019	6.4424794	21.8037531	11.4569375	33.2606906	12.3851928	45.6458834	28.7416319	74.3875153	106.8016317	181.1891740
2020	7.0337503	23.8751885	12.6730367	36.5482252	13.7304356	50.2786608	31.8396413	82.1183021	118.3891420	200.5704441
2021	7.1141680	15.7999978	12.8012276	28.6012253	13.8658988	42.4671241	32.1511219	74.6182459	119.5375297	194.1557757
2022	7.1347049	25.7805706	12.8717873	38.6523579	13.9494521	52.6018100	32.3503741	84.9521841	120.2987823	205.2509664
2023	7.2039806	20.5104136	13.0344733	33.5448869	14.1337852	47.6786721	32.7840824	80.4627546	121.9346291	202.3973836
2024	7.1063537	19.3506572	12.7861678	32.1368251	13.8493756	45.9862007	32.1126470	78.0988477	119.3938760	197.4927237
2025	7.1824035	22.6184908	12.9798293	35.5983201	14.0712131	49.6695331	32.6363731	82.3059062	121.3757226	203.6816288
2026	7.0678221	19.0850663	12.6867146	31.7717809	13.7353048	45.5070857	31.8432401	77.3503258	118.3740609	195.7243862
2027	7.2028120	20.6460537	13.0298081	33.6758617	14.1281824	47.8040441	32.7706659	80.5747100	121.8831693	202.4578792
2028	7.1023190	19.9511419	12.7762766	32.7274185	13.8381057	46.5655242	32.0860836	78.6516078	119.2935226	197.9451304
2029	7.1718352	20.8523394	12.9523447	33.8046842	14.0396366	47.8443207	32.5617539	80.4060746	121.0930944	201.4991600
2030	7.0756337	19.6445706	12.7087676	32.3533382	13.7608731	46.1142113	31.9038269	78.0180381	118.6041276	196.6221657
2031	7.4741780	22.9122163	13.7352747	36.6474910	14.9396754	51.5871664	34.6891742	86.2763406	129.1532269	215.4295675
2032	6.8794828	18.5460916	12.2198022	30.7658939	13.2029983	43.9688922	30.5885067	74.5573988	113.6333447	188.1907835
2033	7.4604227	22.9858120	13.7018724	36.6876844	14.9015780	51.5892624	34.5993360	86.1885984	128.8136267	215.0022251
2034	6.9263172	19.3403856	12.3359168	31.6763025	13.3353127	45.0116152	30.9003369	75.9119521	114.8112880	190.7232401
2035	8.0508200	20.5253621	15.2903658	35.8157279	16.7433162	52.5590441	38.9653222	91.5243663	145.4034293	236.9277956

TABLE B-17 Unit Variable OMP&R Component of Transportation Charge (in dollars per acre-foot)

Calendar Year	CALIFORNIA AQUEDUCT (continued)							
	Reach 18A		Reach 22B		Reach 23		Reach 26A	
	Alamo Powerplant		Pearblossom Pumping Plant		Mojave Siphon Powerplant		Devil Canyon Powerplant	
	Unit Rate	Cumulative Unit Rate	Unit Rate	Cumulative Unit Rate	Unit Rate	Cumulative Unit Rate	Unit Rate	Cumulative Unit Rate
[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	
1961	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0
1972	0	0	1.9331104	14.2279695	0	0	-2.3717647	11.8562048
1973	0	0	3.8751940	16.5877053	0	0	-8.9027252	7.6849801
1974	0	0	3.1602116	15.0844343	0	0	-5.3440968	9.7403376
1975	0	0	3.0210558	15.0873353	0	0	-5.7803309	9.3070043
1976	0	0	3.7579009	17.4290378	0	0	-6.6439666	10.7850713
1977	0	0	3.0796474	20.4102211	0	0	-12.0911833	8.3190378
1978	0	0	4.0233030	16.9382236	0	0	-8.2569506	8.6812730
1979	0	0	5.0776468	22.3639040	0	0	-9.7140035	12.6499005
1980	0	0	4.3918283	23.5904804	0	0	-8.3797007	15.2107797
1981	0	0	3.9973528	22.6475824	0	0	-6.7528590	15.8947235
1982	0	0	3.6829998	21.9626604	0	0	-6.9238898	15.0387706
1983	0	0	1.7205305	11.8468130	0	0	-23.7923457	-11.9455328
1984	0	0	2.4763871	17.3513877	0	0	-29.2940447	-11.9426570
1985	0	0	3.4967556	24.3337274	0	0	-30.7672356	-6.4335082
1986	-2.3583180	34.0359544	5.9864597	40.0224141	0	0	-29.2499580	10.7724561
1987	-2.5482255	29.3442686	5.0535029	34.3977175	0	0	-29.7006534	4.6971181
1988	-1.3847067	28.6178385	4.7392460	33.3570844	0	0	-29.0334518	4.3236326
1989	-1.1019487	38.3465243	6.4066114	44.7531357	0	0	-28.3706997	16.3824360
1990	-1.0673268	51.7406253	8.9787944	60.7194197	0	0	-28.8797266	31.8396931
1991	-1.5206590	33.9038630	6.0785417	39.9824047	0	0	-30.3294563	9.6529484
1992	-2.6080003	19.4065859	3.6219501	23.0285360	0	0	-29.7938993	-6.7653633
1993	-0.1885524	-4.4223656	-1.0192774	-5.4416430	0	0	-30.6629489	-36.1045919
1994	-0.1279266	37.4728379	6.4513573	43.9241952	0	0	-30.4781656	13.4460296
1995	-3.4425314	16.0979836	3.3643070	19.4622905	0	0	-30.3517624	-10.8894719
1996	-5.9839345	33.4220040	6.6794995	40.1015035	-2.3423415	37.7591620	-29.5900574	8.1691046
1997	-4.7847600	34.0059734	6.8397922	40.8457656	-3.8632009	36.9825646	-30.6066647	6.3758999
1998	-5.0614104	-10.9027321	-1.3239652	-12.2266973	-3.7700558	-15.9967531	-30.4293072	-46.4260603
1999	-4.8990186	18.9577198	3.8823748	22.8400946	-5.1563836	17.6837110	-30.2385322	-12.5548211
2000	-5.3488706	20.8660895	4.5542443	25.4203338	-5.1804371	20.2398967	-30.2852311	-10.0453343
2001	-4.6452108	171.4923604	29.6368741	201.1292345	-5.7699537	195.3592808	-30.9018397	164.4574412
2002	-5.4660286	67.6293974	12.9716072	80.6010046	-6.4072101	74.1937944	-30.1661590	44.0276354
2003	-3.3142156	84.9630124	15.4234144	100.3864268	-7.1779336	93.2084932	-30.3892607	62.8192325
2004	-5.5767140	87.3024508	16.2222541	103.5247049	-7.4292488	96.0954561	-30.2389380	65.8565181
2005	-5.5017080	100.1980258	17.9086202	118.1066460	-6.6110924	111.4955536	-30.2939296	81.2016240
2006	-3.1387155	79.6039220	13.4588104	93.0627324	-5.4976224	87.5651100	-29.8005787	57.7645313
2007	-2.7809944	116.6426096	20.0909768	136.7335865	-6.1785168	130.5550697	-30.0961198	100.4589500
2008	-5.4028716	121.6693379	19.4989873	141.1683252	-6.0198040	135.1485212	-30.7631237	104.3853975
2009	-6.3446584	92.1290104	21.4368392	113.5658495	-5.4878092	108.0780404	-33.3163094	74.7617309
2010	-5.1343883	105.5242451	18.8714995	124.3957445	-6.4564845	117.9392600	-28.6783430	89.2609170
2011	-5.2103711	117.7014187	20.8533599	138.5547786	-7.1272044	131.4275743	-29.9982569	101.4293174
2012	-2.7221204	124.1568378	21.7602069	145.9170446	-11.4254128	134.4916319	-30.6216868	103.8699451
2013	-3.7638094	146.2918317	25.7561534	172.0479851	-10.3251093	161.7228758	-30.7664075	130.9564683
2014	-8.1801225	208.4074028	38.3452515	246.7526543	-7.8617556	238.8908987	-29.6636049	209.2272938
2015	-9.0636991	209.7053739	39.4008758	249.1062497	-9.3774506	239.7287992	-29.6064491	210.1223501
2016	-9.7429513	172.4996927	31.8444322	204.3441249	-11.8661775	192.4779474	-30.6919489	161.7859984
2017	-7.2346467	134.2623486	16.1366701	150.3990187	-9.7556664	140.6433523	-15.2855637	125.3577886
<b>2018</b>	<b>-11.0316924</b>	<b>180.5717416</b>	<b>36.3298796</b>	<b>216.9016212</b>	<b>-17.7063954</b>	<b>199.1952258</b>	<b>-34.8674429</b>	<b>164.3277829</b>
2019	-10.0530342	171.1361129	32.8329741	203.9690869	-16.0246228	187.9444642	-31.5251323	156.4193318
2020	-9.1301657	191.3772785	33.0027610	224.3800394	-15.4100903	208.9699492	-31.0041464	177.9658028
2021	-9.1438717	185.0119040	33.5627237	218.5746276	-15.4432985	203.1313292	-30.4400868	172.6912424
2022	-9.1655417	196.0854246	33.5330652	229.6184898	-15.4867877	214.1317021	-29.9247329	184.2069692
2023	-9.3218754	193.0755082	34.2189031	227.2944114	-15.7776047	211.5168066	-30.7406166	180.7761900
2024	-11.1085505	186.3841731	32.6935259	219.0776991	-15.0368375	204.0408616	-30.4007085	173.6401531
2025	-11.4839488	192.1976799	33.9364630	226.1341429	-15.6416087	210.4925342	-30.2560407	180.2364933
2026	-11.2002797	184.5241069	33.0123126	217.5364195	-15.1839235	202.3524960	-30.5679228	171.7845732
2027	-11.4209837	191.0368955	33.7397647	224.7766603	-15.5396470	209.2370133	-30.3980080	178.8390053
2028	-11.3022610	186.6428694	33.3338710	219.9767404	-15.3479714	204.6287690	-30.6252581	174.0035109
2029	-11.3589018	190.1402673	33.5234480	223.6637153	-15.4393231	208.2243922	-30.3180971	177.9062951
2030	-11.2511016	185.3710641	33.1653771	218.5364412	-15.2656071	203.2708341	-30.4145886	172.8562455
2031	-11.7183282	203.7112393	34.7254921	238.4367314	-16.0230238	222.4137076	-30.4991411	191.9145665
2032	-10.8639195	177.3268140	31.8894040	209.2162180	-14.6467387	194.5694793	-29.7448299	164.8246494
2033	-11.8047505	203.1974746	34.9989936	238.1964682	-16.1644134	222.0320548	-31.3200894	190.7119654
2034	-11.0298845	179.6933556	32.4333234	212.1266789	-14.9110513	197.2156277	-29.6451451	167.5704826
2035	-11.9469059	224.9808897	35.5781897	260.5590794	-16.3978711	244.1612083	-31.6379380	212.5232703

**TABLE B-17 Unit Variable OMP&R Component of Transportation Charge (in dollars per acre-foot)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)							
	Reach 2B (EBX) Greenspot Pump Station		Reach 3A (EBX) Crafton Hills Pump Station		Reach 4B (EBX) Cherry Valley Pump Station		Reach 29A Oso Pumping Plant	
	Unit Rate	Cumulative Unit Rate	Unit Rate	Cumulative Unit Rate	Unit Rate	Cumulative Unit Rate	Unit Rate	Cumulative Unit Rate
	[29]	[30]	[31]	[32]	[33]	[34]	[35]	[36]
1961	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	1.1017349	13.3965941
1973	0	0	0	0	0	0	0.7905574	13.5030687
1974	0	0	0	0	0	0	0.7530214	12.6772442
1975	0	0	0	0	0	0	0.8405850	12.9068644
1976	0	0	0	0	0	0	0.7771828	14.4483197
1977	0	0	0	0	0	0	0.6152458	17.9458194
1978	0	0	0	0	0	0	0.5222831	13.4372037
1979	0	0	0	0	0	0	0.7045701	17.9908273
1980	0	0	0	0	0	0	1.4269064	20.6255585
1981	0	0	0	0	0	0	1.5684309	20.2186605
1982	0	0	0	0	0	0	1.4942585	19.7739190
1983	0	0	0	0	0	0	1.2818887	11.4081712
1984	0	0	0	0	0	0	1.7796296	16.6546302
1985	0	0	0	0	0	0	2.1683838	23.0053556
1986	0	0	0	0	0	0	3.2288411	39.6231134
1987	0	0	0	0	0	0	3.1272967	35.0197908
1988	0	0	0	0	0	0	2.9878581	32.9904032
1989	0	0	0	0	0	0	3.5262089	42.9746819
1990	0	0	0	0	0	0	3.6810660	56.4890182
1991	0	0	0	0	0	0	2.1853025	37.6098245
1992	0	0	0	0	0	0	1.9048343	23.9194204
1993	0	0	0	0	0	0	0.1569728	-4.0768404
1994	0	0	0	0	0	0	3.0638504	40.6646149
1995	0	0	0	0	0	0	1.5724835	21.1129984
1996	0	0	0	0	0	0	3.1318961	42.5378346
1997	0	0	0	0	0	0	2.7928728	41.5836062
1998	0	0	0	0	0	0	-0.3226129	-6.1639346
1999	0	0	0	0	0	0	1.9037719	25.7605103
2000	0	0	0	0	0	0	1.8064079	28.0213680
2001	0	0	0	0	0	0	13.3506231	189.4881943
2002	0	0	0	0	0	0	4.8843487	77.9797747
2003	0	0	0	0	0	0	6.1234197	94.4006477
2004	20.6831806	86.5396987	21.4551370	107.9948357	8.6683948	116.6632305	6.4691088	99.3482735
2005	18.8666468	100.0682708	17.9350642	118.0033350	3.6760116	121.6793465	7.3193726	113.0191064
2006	15.8383486	73.6028798	20.8963712	94.4992510	20.1039529	114.6032039	5.2225186	87.9651562
2007	20.4327334	120.8916834	28.3594988	149.2511821	63.0683616	212.3195437	8.1423808	127.5659848
2008	16.8732690	121.2586665	23.8339809	145.0926474	7.1457486	152.2383960	8.5531678	135.6253773
2009	17.5432149	92.3049458	23.7664326	116.0713784	3.9665543	120.0379327	6.8982347	105.3719035
2010	17.0453906	106.3063076	24.2475942	130.5539018	3.4314037	133.9853055	7.9660377	118.6246711
2011	18.0954829	119.5248002	25.1719928	144.6967930	3.5708095	148.2676025	8.4444168	131.3562066
2012	18.9930570	122.8630021	26.7687489	149.6317510	4.5246957	154.1564467	8.7419048	135.6208630
2013	23.5688312	154.5252996	32.3526589	186.8779585	7.2933542	194.1713126	10.3063671	160.3620082
2014	32.0601240	241.2874177	46.2710055	287.5584232	10.2867803	297.8452035	14.9345064	231.5220316
2015	34.3695813	244.4919313	47.7686747	292.2606060	4.2425137	296.5031196	15.1910120	233.9600850
2016	30.4200572	192.2060556	40.0870499	232.2931056	4.4824510	236.7755566	12.7832399	195.0258839
2017	28.4037444	153.7615330	33.3566978	187.1182308	6.8299081	193.9481389	21.7874948	163.2844901
<b>2018</b>	<b>27.6162813</b>	<b>191.9440642</b>	<b>29.6030829</b>	<b>221.5471471</b>	<b>8.4413943</b>	<b>229.9885414</b>	<b>11.6880142</b>	<b>203.2914482</b>
2019	26.9791908	183.3985226	28.9201349	212.3186575	8.6223235	220.9409809	11.6949126	192.8840597
2020	46.2266859	224.1924887	31.5762042	255.7686929	9.8636038	265.6322967	13.7271551	214.2345992
2021	46.9036609	219.5949033	32.0386320	251.6335352	10.5096491	262.1431844	13.6590354	207.8148111
2022	46.7372832	230.9442525	31.9250482	262.8693006	10.4724311	273.3417317	13.9716598	219.2226262
2023	46.8589595	227.6351496	32.0080925	259.6432421	10.4996241	270.1428661	14.0171496	216.4145332
2024	46.8611753	220.5013284	32.0096339	252.5109623	10.5001253	263.0110876	14.3297306	211.8224543
2025	46.8552023	227.0916958	32.0055877	259.0972835	10.4988722	269.5961556	14.0362579	217.7178866
2026	46.8824663	218.6670395	32.0241811	250.6912206	10.5048872	261.1961079	13.6709596	209.3953462
2027	46.8736031	225.7126084	32.0181118	257.7307201	10.5030075	268.2337276	14.3863819	216.8442612
2028	46.8584778	220.8619888	32.0078035	252.8697922	10.4996241	263.3694163	13.7528782	211.6980085
2029	46.8602120	224.7665071	32.0089595	256.7754666	10.5000000	267.2754666	14.2686094	215.7677785
2030	46.8604046	219.7166501	32.0091522	251.7258024	10.5000000	262.2258024	13.6350386	210.2572043
2031	46.8620424	238.7766089	32.0102120	270.7868208	10.5003759	281.2871968	16.4612592	231.8908267
2032	46.8656069	211.6902563	32.0127168	243.7029731	10.5011278	254.2041009	12.8455610	201.0362944
2033	46.8397881	237.5517535	31.9949904	269.5467438	10.4953634	280.0421072	16.0390583	231.0412833
2034	46.8609827	214.4314652	32.0094412	246.4409064	10.5001253	256.9410318	12.8507914	203.5740315
2035	46.9730251	259.4962953	32.0860308	291.5823262	10.5251880	302.1075141	24.8397569	261.7675525

**TABLE B-17 Unit Variable OMP&R Component of Transportation Charge (in dollars per acre-foot)**

Calendar Year	CALIFORNIA AQUEDUCT (continued)							
	Reach 29G Warne Powerplant		Reach 29J Castaic Powerplant		Reach 31A Las Perillas and Badger Hill Pumping Plants		Reach 33A Devil's Den, Bluestone, and Polonio Pass Pumping Plants	
	Unit Rate	Cumulative Unit Rate	Unit Rate	Cumulative Unit Rate	Unit Rate	Cumulative Unit Rate	Unit Rate	Cumulative Unit Rate
	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]
1961	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0
1968	0	0	0	0	1.5014866	4.1182219	0	0
1969	0	0	0	0	1.2624066	3.0719381	0	0
1970	0	0	0	0	1.6309699	3.3588477	0	0
1971	0	0	0	0	1.4985537	2.7919286	0	0
1972	0	0	-2.9350830	10.4615111	1.9517720	3.4211474	0	0
1973	0	0	-6.8099448	6.6931239	1.5374531	3.0757814	0	0
1974	0	0	-7.4013274	5.2759168	1.5168982	2.9878282	0	0
1975	0	0	-6.5604921	6.3463723	1.1130304	2.6699305	0	0
1976	0	0	-6.7213324	7.7269873	1.5685447	3.2790543	0	0
1977	0	0	-30.4985994	-12.5527800	1.7573375	4.1392043	0	0
1978	0	0	-9.0130187	4.4241850	1.9429506	4.0089431	0	0
1979	0	0	-19.0478097	-1.0569824	1.5600341	4.3608941	0	0
1980	0	0	-20.5438586	0.0816999	1.5124754	3.6770034	0	0
1981	0	0	-10.0059379	10.2127225	1.5414199	4.7045073	0	0
1982	-2.1714430	17.6024760	-9.5987314	8.0037446	1.7581649	4.3530008	0	0
1983	-8.9130752	2.4950960	-39.8193120	-37.3242160	0.1782765	1.3888171	0	0
1984	-15.0246012	1.6300290	-17.3126964	-15.6826674	0.8546712	2.6822403	0	0
1985	-14.7115359	8.2938197	-38.9450629	-30.6512432	1.2014351	3.6785929	0	0
1986	-14.1893653	25.4337481	-28.1596224	-2.7258742	2.2635886	6.9752505	0	0
1987	-14.8696165	20.1501743	-27.0536484	-6.9034741	1.9135072	5.9486162	0	0
1988	-14.7032843	18.2871189	-25.6857024	-7.3985835	1.7733386	5.6554272	0	0
1989	-14.4231503	28.5515316	-25.3986130	3.1529186	2.4159040	7.4317239	0	0
1990	-14.1850383	42.3039798	-26.0776142	16.2263657	3.7962150	9.8240367	0	0
1991	-14.7118704	22.8979541	-25.0234633	-2.1255092	2.4131016	7.1520492	0	0
1992	-14.6199430	9.2994774	-25.1951357	-15.8956583	1.2766372	4.5092789	0	0
1993	-10.3386607	-14.4155011	-21.1218973	-35.5373984	-1.1726172	-0.7762411	0	0
1994	-14.7696788	25.8949361	-26.7437304	-0.8487943	2.3645104	7.0748798	0	0
1995	-12.2705974	8.8424010	-25.6907993	-16.8483983	2.5750402	5.4022971	0	0
1996	-14.8515762	27.6862584	-29.5639188	-1.8776604	2.5837041	7.6010922	0	0
1997	-14.9272063	26.6563999	-27.1541858	-0.4977859	2.7029648	6.9426653	24.4572499	31.3999152
1998	-8.6695834	-14.8335180	-22.2303491	-37.0638671	-0.5072304	-0.6085333	-4.1828906	-4.7914239
1999	-14.9340263	10.8264840	-27.0443818	-16.2178978	1.3710724	4.6490034	9.8811650	14.5301684
2000	-14.1657261	13.8556418	-26.9670096	-13.1113678	1.9062744	5.1251586	14.1572786	19.2824372
2001	-16.7349304	172.7532639	-29.2914159	143.4618480	12.1791731	30.9702427	92.1279543	123.0981970
2002	-13.2004543	64.7793204	-23.7780808	41.0012396	5.4523577	14.1545162	42.2356428	56.3901590
2003	-13.9757172	80.4249305	-23.8496317	56.5752988	6.2991083	16.1432859	48.5398663	64.6831522
2004	-14.1574758	85.1907977	-25.2967499	59.8940478	6.4578566	17.0611245	52.5234071	69.5845316
2005	-14.2938796	98.7252268	-24.7472457	73.9779811	8.2000327	20.1469699	62.1217478	82.2687176
2006	-14.0865037	73.8786525	-23.8861273	49.9925252	7.3715623	17.3000848	51.9221500	69.2222347
2007	-12.5169061	115.0490788	-25.0603889	89.9886899	9.9286839	23.6694565	73.4057069	97.0751634
2008	-13.8809446	121.7444327	-29.0198140	97.2461879	10.5299618	27.7028337	79.6357472	107.3385809
2009	-10.4812488	94.8906546	-24.7607898	70.1298649	6.7821158	15.7824009	62.8994557	78.6818566
2010	-13.8211960	104.8034751	-26.2504816	78.5529935	8.4647687	22.0051931	68.9441487	90.9493418
2011	-14.1584994	117.1977072	-28.7386599	88.4590473	9.7863850	25.1929518	85.5836266	110.7765784
2012	-13.8982775	121.7225855	-25.6245942	96.0979913	9.2034933	24.4625351	86.1924105	110.6549457
2013	-14.3636831	145.9983251	-25.5768325	120.4214926	12.2377248	30.8565382	94.1771916	125.0337298
2014	-14.0124517	217.5095800	-26.4213846	191.0881954	16.5039880	44.3901137	105.3205560	149.7106698
2015	-14.2676550	219.6924301	-25.0847717	194.6076583	16.5280957	44.5017873	125.1837377	169.6855250
2016	-14.0588274	180.9670565	-24.9945598	155.9724967	12.6918776	34.1639805	95.8938919	130.0578723
2017	-24.8008233	138.4836668	-41.5406970	96.9429698	15.6911492	35.9006854	87.1430145	123.0436999
<b>2018</b>	<b>-13.5544169</b>	<b>189.7370312</b>	<b>-21.2067168</b>	<b>168.5303144</b>	<b>13.4547157</b>	<b>35.5641022</b>	<b>92.4917209</b>	<b>128.0558231</b>
2019	-13.6051235	179.2789361	-21.2855465	157.9933896	13.4108557	35.2146087	92.7218680	127.9364767
2020	-14.8382899	199.3963093	-23.4925881	175.9037212	6.1221806	29.9973691	125.2260086	155.2233778
2021	-14.5479806	193.2668305	-23.0243484	170.2424821	6.2089213	22.0089191	127.0598874	149.0688065
2022	-14.9362293	204.2863969	-23.6546899	180.6317070	6.1868669	31.9674375	126.6092511	158.5766886
2023	-14.9460241	201.4685091	-23.6706033	177.7979058	6.1981378	26.7085514	126.9387176	153.6472689
2024	-15.2825293	196.5399250	-24.2145332	172.3253919	6.2062358	25.5568930	126.9448605	152.5017535
2025	-14.9677056	202.7501810	-23.7058304	179.0443507	6.2042346	28.8227254	126.9287323	155.7514576
2026	-14.5673738	194.8279725	-23.0558141	171.7721584	6.2083407	25.2934070	127.0024963	152.2595934
2027	-15.3373165	201.5069447	-24.3067653	177.2001794	6.2049397	26.8509934	126.9784386	153.8294319
2028	-14.6645626	197.0334460	-23.2105609	173.8228851	6.1991850	26.1503269	126.9374694	153.0877963
2029	-15.2153588	200.5524197	-24.1083944	176.4440253	6.2041309	27.0564704	126.9422173	153.9986877
2030	-14.5357471	195.7214572	-23.0045005	172.7169567	6.2050330	25.8496036	126.9428047	152.7924083
2031	-17.5692627	214.3215640	-27.9520031	186.3695610	6.2051471	29.1173634	126.9472589	156.0646223
2032	-13.6896758	187.3466186	-21.6310780	165.7155406	6.2041309	24.7502226	126.9569506	151.7071731
2033	-17.1237530	213.9175303	-27.2221345	186.6953958	6.2004396	29.1862517	126.8868820	156.0731337
2034	-13.6949501	189.8790814	-21.6423782	168.2367032	6.1984074	25.5387930	126.9442242	152.4830172
2035	-26.5435861	235.2239664	-42.8989841	192.3249823	6.2190620	26.7444242	127.2478218	153.9922460



## Tables B-18 through B-31

Note: Where applicable, the projected data values shown in this appendix are shaded and the bill year data are in **bold** type.

**TABLE B-18 Variable OMP&R Component of Transportation Charge for Each Contractor<sup>a</sup> (in dollars)** Sheet 1 of 4

Calendar Year	NORTH BAY AREA			SOUTH BAY AREA				CENTRAL COASTAL AREA		
	Napa	Solano	Total	Alameda-Zone 7	Alameda County	Santa Clara	Total	San Luis Obispo	Santa Barbara	Total
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]
1961	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	2,051	34,919	0	36,970	0	0	0
1963	0	0	0	7,900	49,811	0	57,711	0	0	0
1964	0	0	0	5,931	68,203	0	74,134	0	0	0
1965	0	0	0	10,918	68,765	62,926	142,609	0	0	0
1966	0	0	0	19,330	52,135	121,141	192,606	0	0	0
1967	0	0	0	19,958	53,785	163,255	236,998	0	0	0
1968	6,989	0	6,989	29,899	120,985	341,768	492,652	0	0	0
1969	8,551	0	8,551	31,859	3,904	298,968	334,731	0	0	0
1970	13,598	0	13,598	49,687	0	431,443	481,130	0	0	0
1971	10,609	0	10,609	23,842	28,328	416,329	468,499	0	0	0
1972	14,434	0	14,434	54,838	144,669	524,208	723,715	0	0	0
1973	14,449	0	14,449	18,398	15,590	547,807	581,795	0	0	0
1974	17,473	0	17,473	9,499	29	636,186	645,714	0	0	0
1975	14,779	0	14,779	22,318	4,765	425,284	452,367	0	0	0
1976	20,856	0	20,856	97,874	121,693	502,769	722,336	0	0	0
1977	22,635	0	22,635	82,578	123,044	497,792	703,414	0	0	0
1978	21,692	0	21,692	74,911	39,986	652,860	767,757	0	0	0
1979	16,237	0	16,237	137,101	77,145	652,629	866,875	0	0	0
1980	19,945	0	19,945	98,743	64,891	517,531	681,165	0	0	0
1981	23,842	0	23,842	126,437	141,456	567,968	835,861	0	0	0
1982	12,157	0	12,157	97,117	46,742	651,246	795,105	0	0	0
1983	2,342	0	2,342	8,171	5,412	148,743	162,326	0	0	0
1984	4,822	0	4,822	26,707	13,141	349,314	389,162	0	0	0
1985	10,188	0	10,188	79,863	102,790	466,291	648,944	0	0	0
1986	15,501	0	15,501	112,370	131,118	932,090	1,175,578	0	0	0
1987	27,223	0	27,223	216,211	234,290	812,631	1,263,132	0	0	0
1988	31,265	11,533	42,798	229,578	297,129	779,537	1,306,244	0	0	0
1989	37,874	66,850	104,724	306,533	304,275	1,051,562	1,662,370	0	0	0
1990	54,736	105,421	160,157	524,114	502,545	1,456,008	2,482,667	0	0	0
1991	8,159	18,824	26,983	105,736	142,105	316,839	564,680	0	(2,636)	(2,636)
1992	12,515	23,808	36,323	93,772	122,436	273,849	490,057	0	0	0
1993	(7,223)	(17,293)	(24,516)	(36,162)	(12,912)	(78,024)	(127,098)	0	0	0
1994	39,106	77,257	116,363	231,800	257,533	642,006	1,131,339	0	0	0
1995	15,701	36,724	52,425	160,663	93,610	151,287	405,560	0	0	0
1996	31,526	96,570	128,096	214,883	186,694	735,431	1,137,008	502	0	502
1997	29,683	116,555	146,238	351,185	219,799	912,861	1,483,845	34,932	233,584	268,516
1998	(6,622)	(19,825)	(26,447)	(8,777)	(18,989)	(72,459)	(100,225)	(17,211)	(89,207)	(106,418)
1999	16,237	54,380	70,617	258,207	193,717	444,579	896,503	54,386	292,594	346,980
2000	21,853	93,587	115,441	375,486	237,544	749,863	1,362,894	76,397	438,502	514,899
2001	287,659	528,307	815,967	1,675,681	989,109	2,451,313	5,116,103	527,230	2,332,218	2,859,448
2002	90,290	266,205	356,494	1,067,734	640,899	1,453,943	3,162,576	245,579	1,558,398	1,803,978
2003	131,103	266,087	397,190	1,076,990	647,811	2,301,219	4,026,020	288,034	1,744,375	2,032,409
2004	141,816	356,192	498,008	1,325,729	624,583	1,614,403	3,564,314	289,820	2,067,009	2,356,828
2005	189,098	393,118	582,216	1,483,817	849,101	2,494,389	4,827,307	349,724	1,920,481	2,270,205
2006	182,245	317,802	500,048	1,300,477	736,605	2,175,973	4,213,055	291,356	1,611,148	1,902,504
2007	332,074	604,832	936,906	1,610,876	899,784	2,704,487	5,215,147	366,556	2,692,865	3,059,421
2008	395,194	527,580	922,774	1,567,658	767,723	1,941,320	4,276,701	365,166	1,974,279	2,339,444
2009	213,095	272,109	485,204	843,028	500,952	1,551,726	2,895,706	299,058	1,215,680	1,514,738
2010	282,401	305,707	588,108	1,351,451	627,717	1,947,360	3,926,527	341,697	1,616,625	1,958,321
2011	306,596	308,367	614,963	1,751,565	950,336	2,966,408	5,668,310	423,056	2,331,847	2,754,903
2012	259,029	326,953	585,982	1,778,520	674,932	2,422,752	4,876,204	436,423	2,154,894	2,591,318
2013	434,089	527,190	961,279	2,139,773	1,092,478	3,121,315	6,353,566	460,249	2,252,858	2,713,107
2014	596,560	393,490	990,050	1,535,804	1,195,553	2,156,709	4,888,065	477,354	2,490,609	2,967,963
2015	475,777	494,055	969,832	1,443,307	917,538	3,067,605	5,428,449	582,829	1,976,928	2,559,757
2016	330,368	355,618	685,987	2,356,598	789,764	4,046,852	7,193,214	546,113	3,873,136	4,419,249
2017	175,470	1,339,216	1,514,687	2,402,587	748,863	3,757,909	6,909,358	560,956	4,783,358	5,344,314
<b>2018</b>	<b>1,185,606</b>	<b>1,325,616</b>	<b>2,511,222</b>	<b>2,476,895</b>	<b>1,206,276</b>	<b>3,496,291</b>	<b>7,179,462</b>	<b>1,597,753</b>	<b>3,494,771</b>	<b>5,092,524</b>
2019	1,163,887	1,339,213	2,503,100	2,479,469	1,289,183	3,363,028	7,131,680	1,697,589	3,491,514	5,189,104
2020	1,015,023	856,454	1,871,477	2,557,992	1,331,749	3,456,055	7,345,797	2,071,456	4,236,201	6,307,657
2021	1,053,152	895,453	1,948,605	2,188,866	1,137,787	3,002,520	6,329,174	1,991,112	4,068,237	6,059,349
2022	1,049,417	892,277	1,941,693	2,664,679	1,385,686	3,591,321	7,641,687	2,118,109	4,327,716	6,445,825
2023	1,052,147	894,599	1,946,746	2,411,336	1,253,698	3,277,390	6,942,423	2,052,267	4,193,188	6,245,454
2024	1,052,198	894,642	1,946,840	2,359,382	1,226,624	3,213,782	6,799,788	2,036,966	4,161,925	6,198,891
2025	1,052,065	894,528	1,946,593	2,514,068	1,307,217	3,404,974	7,226,260	2,080,372	4,250,613	6,330,985
2026	1,052,676	895,048	1,947,725	2,348,919	1,221,168	3,201,284	6,771,372	2,034,216	4,156,308	6,190,524
2027	1,052,477	894,879	1,947,356	2,418,484	1,257,420	3,286,374	6,962,278	2,054,700	4,198,159	6,252,859
2028	1,052,137	894,589	1,946,727	2,388,496	1,241,791	3,249,909	6,880,196	2,044,794	4,177,919	6,222,713
2029	1,052,177	894,623	1,946,800	2,429,260	1,263,033	3,299,902	6,992,196	2,056,960	4,202,778	6,259,739
2030	1,052,182	894,628	1,946,810	2,374,849	1,234,680	3,233,220	6,842,749	2,040,848	4,169,858	6,210,706
2031	1,052,218	894,659	1,946,877	2,516,388	1,308,447	3,405,453	7,230,288	2,084,555	4,259,160	6,343,715
2032	1,052,299	894,727	1,947,026	2,330,067	1,211,334	3,179,356	6,720,757	2,026,353	4,140,240	6,166,593
2033	1,051,718	894,233	1,945,951	2,519,703	1,310,174	3,409,515	7,239,392	2,084,669	4,259,392	6,344,061
2034	1,052,193	894,637	1,946,831	2,366,367	1,230,249	3,223,955	6,820,571	2,036,716	4,161,414	6,198,130
2035	1,054,710	896,778	1,951,488	2,381,013	1,237,956	3,233,513	6,852,482	2,056,874	4,202,602	6,259,477
<b>TOTAL</b>	<b>24,554,281</b>	<b>25,188,802</b>	<b>49,743,083</b>	<b>74,709,356</b>	<b>40,581,303</b>	<b>119,787,643</b>	<b>235,078,302</b>	<b>43,166,514</b>	<b>113,621,540</b>	<b>156,788,055</b>

<sup>a</sup> B-18 includes Extra Peaking Charges for additional power shown in Table 9.

**TABLE B-18 Variable OMP&R Component of Transportation Charge for Each Contractor <sup>a</sup> (in dollars)**

Sheet 2 of 4

Calendar Year	SAN JOAQUIN VALLEY AREA								
	Dudley Ridge	Empire	Future Contractor San Joaquin Valley	Kern		Kings	Oak Flat	Tulare	Total
				Municipal and Industrial	Agricultural				
	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]
1961	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0
1968	68,977	5,176	0	0	440,922	2,355	4,760	65,680	587,870
1969	56,774	101	0	0	321,387	181	3,338	17,956	399,737
1970	69,818	6,811	0	0	470,867	0	5,595	16,550	569,641
1971	53,097	7,747	0	0	769,054	4,785	6,353	158,419	999,455
1972	62,365	8,515	0	0	1,151,788	2,057	7,375	379,686	1,611,786
1973	33,931	4,615	0	0	770,121	2,307	3,017	77,630	891,621
1974	49,114	4,413	0	46,752	677,660	2,206	3,114	106,332	889,591
1975	63,140	4,671	0	34,580	848,249	2,491	3,920	134,295	1,091,346
1976	70,851	5,132	0	94,653	966,820	2,737	4,910	100,597	1,245,701
1977	26,565	1,758	0	84,875	498,624	3,644	2,602	43,067	661,135
1978	108,944	938	0	190,675	1,616,975	4,319	6,294	24,901	1,953,046
1979	107,956	4,871	0	194,048	2,371,175	5,602	13,172	434,472	3,131,297
1980	88,746	1,935	0	121,603	1,731,588	4,762	7,766	163,301	2,119,701
1981	129,687	18,533	0	263,077	2,398,339	7,275	8,904	263,922	3,089,737
1982	108,561	937	0	145,246	2,375,404	4,541	6,763	48,137	2,689,589
1983	61,443	0	0	13,954	929,183	5,662	3,232	1,218	1,014,692
1984	82,423	0	0	216,437	1,996,259	5,946	7,475	10,496	2,319,036
1985	114,571	12,938	0	242,645	2,567,184	8,422	8,815	271,970	3,226,545
1986	236,756	5,513	0	377,798	4,876,960	17,433	16,927	376,088	5,907,475
1987	187,090	10,273	0	504,168	4,230,949	16,140	15,529	375,604	5,339,753
1988	188,170	14,894	0	524,965	4,250,194	15,528	11,928	374,528	5,380,207
1989	285,261	15,450	0	681,238	6,158,648	20,063	21,693	649,604	7,831,957
1990	218,786	7,710	0	845,877	4,778,185	12,056	12,072	344,008	6,218,694
1991	4,393	1,047	0	185,013	47,869	0	521	249,174	249,174
1992	76,840	4,426	0	227,332	1,699,824	6,059	5,222	151,055	2,170,758
1993	20,064	4,843	0	78,585	340,588	2,090	1,467	123,913	571,550
1994	135,626	7,854	0	471,316	3,417,815	9,967	10,102	293,748	4,346,428
1995	181,772	4,611	0	409,656	3,437,735	11,619	10,492	288,010	4,343,895
1996	286,064	9,577	0	715,404	6,328,965	21,039	16,403	1,196,303	8,573,755
1997	308,515	0	0	650,416	5,627,735	0	15,559	94,838	6,697,063
1998	16,993	(54)	0	(16,341)	91,651	(2)	1,171	(2,095)	91,324
1999	195,683	10,411	0	473,993	4,043,627	13,112	11,761	956,653	5,705,239
2000	194,868	5,791	0	150,870	4,259,519	11,588	10,347	638,347	5,271,330
2001	787,383	25,556	0	156,315	11,851,444	29,314	45,773	1,119,234	14,015,019
2002	425,666	12,227	0	183,569	8,013,811	24,836	29,691	839,776	9,529,575
2003	453,639	14,136	0	493,523	9,967,581	36,345	28,691	1,041,918	12,035,833
2004	520,408	37,769	0	1,406,548	8,941,409	95,991	33,665	861,595	11,897,384
2005	977,603	45,805	0	836,724	17,643,647	236,621	34,032	1,672,595	21,447,026
2006	715,648	32,585	0	990,557	13,740,855	94,619	28,907	1,074,336	16,677,506
2007	620,190	28,636	0	772,081	12,112,916	79,441	32,915	1,196,588	14,842,766
2008	380,791	16,263	0	758,437	7,719,917	65,875	24,582	582,229	9,548,095
2009	190,974	9,306	0	65,765	5,122,594	30,520	11,767	331,245	5,762,172
2010	403,800	44,128	0	144,050	9,139,391	65,692	27,419	785,452	10,609,933
2011	934,979	29,504	0	711,347	19,845,304	103,335	29,411	852,586	22,506,464
2012	279,454	34,211	0	550,517	11,938,606	112,993	33,761	1,361,982	14,311,524
2013	503,564	29,176	0	630,846	12,140,851	86,484	36,686	821,666	14,249,274
2014	521,330	14,389	0	217	7,050,429	34,986	29,698	248,978	7,900,027
2015	434,784	17,456	0	487,335	9,118,056	34,380	21,947	484,952	10,598,910
2016	448,939	39,122	0	276,892	13,304,362	78,588	27,766	910,138	15,085,807
2017	983,244	36,377	0	1,718,760	18,661,263	137,790	28,676	1,233,226	22,799,336
<b>2018</b>	<b>631,621</b>	<b>39,797</b>	<b>0</b>	<b>2,097,589</b>	<b>14,760,096</b>	<b>125,899</b>	<b>52,230</b>	<b>1,160,367</b>	<b>18,867,599</b>
2019	622,890	39,247	0	2,046,813	14,458,729	124,185	52,536	1,144,326	18,488,725
2020	682,066	42,975	0	2,247,093	15,407,861	134,416	57,598	1,253,042	19,825,050
2021	451,374	28,440	0	1,665,018	11,197,664	89,348	29,706	829,231	14,290,781
2022	736,499	46,405	0	2,393,777	16,452,070	145,065	63,769	1,353,042	21,190,627
2023	585,942	36,919	0	2,017,452	13,718,761	115,644	45,508	1,076,448	17,596,674
2024	552,810	34,831	0	1,922,561	13,058,910	109,170	41,876	1,015,581	16,735,738
2025	646,165	40,713	0	2,168,399	14,814,737	127,414	52,791	1,187,086	19,037,306
2026	545,222	34,353	0	1,899,012	12,899,001	107,688	41,099	1,001,642	16,528,017
2027	589,816	37,163	0	2,027,106	13,789,357	116,402	45,976	1,083,567	17,689,388
2028	569,964	35,912	0	1,965,802	13,371,811	112,522	43,943	1,047,096	17,147,049
2029	595,710	37,534	0	2,038,814	13,881,648	117,554	46,787	1,094,393	17,812,440
2030	561,206	35,360	0	1,940,642	13,197,202	110,811	42,986	1,031,006	16,919,213
2031	654,556	41,242	0	2,222,025	15,125,367	129,054	52,798	1,202,502	19,427,545
2032	529,825	33,383	0	1,840,042	12,519,530	104,678	39,900	973,355	16,040,712
2033	656,659	41,374	0	2,225,960	15,156,878	129,464	53,097	1,206,364	19,469,797
2034	552,516	34,813	0	1,902,710	12,960,234	109,112	42,456	1,015,041	16,616,882
2035	586,369	36,946	0	2,115,496	14,196,041	115,731	42,663	1,077,233	18,170,478
<b>TOTAL</b>	<b>24,227,451</b>	<b>1,335,489</b>	<b>0</b>	<b>54,848,631</b>	<b>523,770,195</b>	<b>3,697,951</b>	<b>1,621,704</b>	<b>43,359,379</b>	<b>652,860,800</b>

<sup>a</sup> B-18 includes Extra Peaking Charges for additional power shown in Table 9.

**TABLE B-18 Variable OMP&R Component of Transportation Charge for Each Contractor<sup>a</sup> (in dollars)**

Sheet 3 of 4

Calendar Year	SOUTHERN CALIFORNIA AREA									
	AVEK	Castaic Lake	Coachella	Crestline	Desert	Littlerock	Mojave	Palmdale	San Bernardino	San Gabriel
	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]
1961	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0
1968	0	30,401	0	0	0	0	0	0	0	0
1969	0	30,627	0	0	0	0	0	0	0	0
1970	0	39,430	0	0	0	0	0	0	0	0
1971	0	34,871	0	0	0	0	0	0	0	0
1972	780	47,571	0	12,785	0	4,496	1,515	0	32,107	0
1973	286	28,968	102,812	6,896	159,536	3,855	0	0	301,444	0
1974	15,558	28,982	100,955	9,890	157,742	4,932	221	0	177,173	5,961
1975	99,186	28,568	108,253	12,758	170,111	6,391	0	0	136,066	50,723
1976	385,090	38,365	135,276	17,835	213,594	8,164	0	0	139,354	65,476
1977	199,166	21,006	0	23,598	0	1,974	1,702	0	239,663	74,838
1978	581,729	45,550	174,116	20,875	264,178	2,731	0	0	37,043	67,462
1979	1,058,904	83,940	228,437	28,603	340,510	2,328	90,803	0	236	3,668
1980	1,390,117	51,143	256,759	29,229	401,038	3,667	94,362	0	0	16,504
1981	1,480,362	118,583	274,149	33,632	430,304	23,861	90,590	0	254,649	57,523
1982	923,973	132,575	292,674	27,190	461,216	0	230,608	0	126,461	189,895
1983	333,772	(335,712)	172,336	10,792	272,477	385	0	0	(71,602)	(8,768)
1984	485,847	(142,910)	273,597	19,572	433,785	15	0	0	(66,353)	(91,433)
1985	821,069	(335,343)	413,406	34,603	657,011	0	0	32,464	(47,544)	(32,348)
1986	1,109,047	54,812	728,808	60,274	1,160,650	5,548	0	105,375	69,170	101,843
1987	1,019,605	(40,745)	668,383	63,601	1,083,530	32,651	585	157,843	88,076	49,930
1988	1,019,793	(74,006)	688,891	66,914	1,134,141	11,991	300	50,654	92,465	38,688
1989	1,736,901	178,359	978,885	97,114	1,633,489	38,269	8,951	350,953	340,460	210,334
1990	2,442,558	422,502	1,402,619	110,934	2,313,410	90,472	0	446,408	599,573	530,099
1991	286,485	(3,054)	277,078	33,945	456,999	17,978	128,405	132,700	35,339	52,116
1992	587,340	(208,900)	240,119	11,952	396,022	4,871	241,338	78,306	(22,718)	(53,500)
1993	(190,611)	(491,161)	(809,033)	(2,389)	(1,334,429)	(3,246)	(61,112)	(29,466)	(157,452)	(519,798)
1994	1,841,902	66,338	189,616	34,480	312,714	41,201	731,185	315,446	122,829	204,783
1995	761,209	(247,735)	(251,547)	7,960	(414,889)	7,727	165,622	114,342	(7,579)	(140,714)
1996	1,883,530	72,171	508,274	18,313	838,330	16,510	289,044	385,745	49,537	133,848
1997	2,121,818	22,440	365,342	24,076	330,153	15,099	414,596	438,212	61,553	115,882
1998	(577,005)	(733,387)	(3,979,131)	(2,991)	(3,279,862)	(4,405)	(46,209)	(84,367)	(87,188)	(432,227)
1999	1,309,467	(448,290)	(633,767)	20,018	(729,435)	6,484	180,423	263,297	(161,631)	(222,717)
2000	1,743,925	(360,679)	(425,149)	24,166	(584,980)	0	283,085	189,047	(184,824)	(152,086)
2001	10,748,924	4,442,763	1,496,563	206,495	2,468,506	0	850,559	1,788,151	4,356,149	388,120
2002	3,940,517	1,972,925	737,683	162,410	1,216,924	0	332,521	1,250,873	3,146,998	1,094,131
2003	5,100,245	3,152,927	907,298	145,685	1,496,291	0	1,429,259	981,068	1,640,399	1,377,877
2004	5,218,767	3,252,013	1,018,471	192,767	1,395,500	0	1,344,202	1,061,772	3,812,245	825,907
2005	5,994,948	3,011,986	3,452,612	89,977	3,986,107	0	1,580,568	1,173,519	2,654,327	1,135,524
2006	6,398,882	2,246,437	6,995,285	56,129	2,888,227	0	3,151,694	994,412	2,150,773	940,638
2007	9,366,901	4,237,414	7,356,408	230,821	3,037,276	0	6,174,449	2,222,474	6,072,123	404,247
2008	5,837,227	3,786,945	4,832,779	114,606	2,615,304	3,042	3,538,824	1,734,396	4,051,276	752,827
2009	4,115,006	2,595,637	3,413,684	96,616	1,365,374	3,869	3,228,792	1,413,078	3,432,975	861,232
2010	6,172,008	2,756,232	7,526,376	42,104	2,783,423	0	4,663,414	1,157,495	4,812,730	1,712,024
2011	11,069,348	2,825,582	9,156,937	62,297	3,689,897	0	660,947	1,270,854	3,592,835	2,392,819
2012	10,466,529	3,714,865	12,152,719	83,923	4,684,638	0	1,612,272	2,073,947	10,290,641	2,291,163
2013	7,467,802	5,716,924	8,406,502	221,237	2,722,716	0	1,254,070	1,545,866	4,697,219	1,211,609
2014	3,646,961	5,102,939	2,553,325	294,455	637,934	0	843,433	1,751,599	2,516,966	250,956
2015	2,686,999	5,288,824	7,634,010	300,360	2,356,942	0	2,159,281	1,223,779	5,622,726	1,210,284
2016	6,769,144	4,935,018	10,877,218	208,646	3,541,981	0	4,423,187	1,814,007	10,847,880	2,602,813
2017	14,632,837	5,642,545	11,047,030	274,255	3,971,460	158,698	1,536,729	2,011,653	8,164,276	2,543,635
<b>2018</b>	<b>13,722,392</b>	<b>9,360,519</b>	<b>13,640,849</b>	<b>693,199</b>	<b>5,496,764</b>	<b>249,189</b>	<b>8,801,466</b>	<b>3,537,039</b>	<b>9,718,817</b>	<b>2,839,584</b>
2019	13,439,661	8,779,025	12,984,369	654,047	5,232,227	236,168	8,492,228	3,352,214	9,641,784	2,702,926
2020	15,560,600	9,755,808	14,772,941	727,215	5,952,956	264,101	9,345,251	3,748,698	10,967,976	3,075,249
2021	15,610,436	9,427,783	14,335,100	706,897	5,776,522	255,316	9,102,001	3,624,013	10,630,873	2,984,105
2022	16,543,841	10,020,355	15,291,021	745,178	6,161,723	270,598	9,563,676	3,840,921	11,339,781	3,183,096
2023	16,290,401	9,853,638	15,006,232	736,078	6,046,964	266,444	9,465,820	3,781,963	11,128,582	3,123,813
2024	15,728,011	9,549,689	14,413,869	710,062	5,808,263	257,210	9,123,927	3,650,893	10,689,288	3,000,502
2025	16,218,060	9,926,570	14,961,431	732,514	6,028,911	265,233	9,417,611	3,764,768	11,095,359	3,114,487
2026	15,570,858	9,518,668	14,259,837	704,187	5,746,194	254,643	9,059,171	3,614,458	10,575,058	2,968,437
2027	16,120,446	9,820,976	14,845,426	728,145	5,982,165	263,631	9,361,070	3,742,031	11,009,329	3,090,338
2028	15,749,566	9,633,418	14,444,031	712,108	5,820,417	257,567	9,160,847	3,655,961	10,711,656	3,006,781
2029	16,044,736	9,779,708	14,768,002	724,621	5,950,966	262,394	9,314,771	3,724,468	10,951,912	3,074,221
2030	15,642,253	9,571,858	14,348,797	707,383	5,782,041	255,812	9,100,815	3,631,048	10,641,030	2,986,956
2031	17,190,368	10,330,925	15,930,828	774,000	6,419,542	281,122	9,931,057	3,990,296	11,814,261	3,316,284
2032	14,963,389	9,183,741	13,682,094	677,102	5,513,385	244,711	8,712,537	3,473,478	10,146,605	2,848,170
2033	17,146,839	10,349,023	15,831,000	772,672	6,379,315	280,413	9,920,732	3,980,232	11,740,229	3,295,503
2034	15,162,984	9,324,285	13,910,026	686,310	5,605,233	247,977	8,833,636	3,519,833	10,315,639	2,895,618
2035	18,989,325	10,654,442	17,641,557	849,681	7,108,903	310,474	10,854,913	4,406,926	13,082,933	3,672,402
<b>TOTAL</b>	<b>430,199,012</b>	<b>237,677,685</b>	<b>367,114,466</b>	<b>16,680,807</b>	<b>158,948,336</b>	<b>5,232,559</b>	<b>209,191,745</b>	<b>95,455,144</b>	<b>280,159,956</b>	<b>77,490,257</b>

<sup>a</sup> B-18 includes Extra Peaking Charges for additional power shown in Table 9.

TABLE B-18 Variable OMP&R Component of Transportation Charge for Each Contractor<sup>a</sup> (in dollars)

Calendar Year	SOUTHERN CALIFORNIA AREA (continued)				FEATHER RIVER AREA				South Bay Area Future Contractor	Grand Total
	San Gorgonio	Metropolitan	Ventura	Total	Yuba City	Butte	Plumas	Total		
	[30]	[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]
1961	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	36,970
1963	0	0	0	0	0	0	0	0	0	57,711
1964	0	0	0	0	0	0	0	0	0	74,134
1965	0	0	0	0	0	0	0	0	0	142,609
1966	0	0	0	0	0	0	0	0	0	192,606
1967	0	0	0	0	0	0	0	0	0	236,998
1968	0	0	0	30,401	0	0	0	0	0	1,117,912
1969	0	0	0	30,627	0	0	0	0	0	773,646
1970	0	0	0	39,430	0	0	0	0	0	1,103,799
1971	0	0	0	34,871	0	0	0	0	0	1,513,434
1972	0	848,011	0	947,266	0	0	0	0	0	3,297,202
1973	0	1,083,328	0	1,687,126	0	0	0	0	0	3,174,991
1974	0	1,872,297	0	2,373,712	0	0	0	0	0	3,926,489
1975	0	3,887,152	0	4,499,209	0	0	0	0	0	6,057,701
1976	0	5,485,263	0	6,488,418	0	0	0	0	0	8,477,311
1977	0	(796,686)	0	(234,739)	0	0	0	0	0	1,152,444
1978	0	3,696,428	0	4,890,112	0	0	0	0	0	7,632,606
1979	0	4,021,960	0	5,859,389	0	0	0	0	0	9,873,798
1980	0	5,362,245	0	7,605,064	0	0	0	0	0	10,425,875
1981	0	10,862,932	0	13,626,585	0	0	0	0	0	17,576,025
1982	0	7,685,168	0	10,069,760	0	0	0	0	0	13,566,611
1983	0	(8,994,497)	0	(8,620,817)	0	0	0	0	0	(7,441,457)
1984	0	(7,633,741)	0	(6,721,621)	0	0	0	0	0	(4,008,601)
1985	0	(15,739,366)	0	(14,196,048)	0	0	0	0	0	(10,310,371)
1986	0	1,135,478	0	4,531,005	0	0	0	0	0	11,629,559
1987	0	(3,007,097)	0	116,362	0	0	0	0	0	6,746,470
1988	0	(3,407,929)	0	(378,098)	0	0	0	0	0	6,351,151
1989	0	9,488,536	0	15,062,251	0	0	0	0	0	24,661,302
1990	0	30,759,725	204,582	39,322,882	0	0	0	0	0	48,184,400
1991	0	184,870	22,623	1,625,484	0	0	0	0	0	2,463,685
1992	0	(9,471,028)	0	(8,196,198)	0	0	0	0	0	(5,499,060)
1993	0	(21,473,875)	0	(25,072,572)	0	0	0	0	0	(24,652,636)
1994	0	4,059,683	0	7,920,177	0	0	0	0	0	13,514,307
1995	0	(4,895,977)	0	(4,901,581)	0	0	0	0	0	(99,701)
1996	0	1,859,275	0	6,054,577	0	0	0	0	0	15,893,938
1997	0	2,428,729	(921)	6,336,979	0	0	0	0	0	14,932,641
1998	0	(14,593,773)	(68,568)	(23,889,113)	0	0	0	0	0	(24,030,879)
1999	0	(9,194,693)	(30,003)	(9,640,848)	0	0	0	0	0	(2,621,509)
2000	0	(14,982,560)	6,226	(14,443,828)	0	0	0	0	0	(7,179,265)
2001	0	157,946,899	265,404	184,958,532	0	0	0	0	0	207,765,068
2002	0	59,841,457	279,778	73,976,216	0	0	0	0	0	88,828,838
2003	7,287	94,319,451	358,003	110,915,789	0	0	0	0	0	129,407,240
2004	98,114	107,156,248	416,820	125,792,825	0	0	0	0	0	144,109,361
2005	84,202	113,938,011	123,173	137,224,954	0	0	0	0	0	166,351,708
2006	420,492	82,413,262	92,486	108,748,716	0	0	0	0	0	132,041,829
2007	598,467	137,718,921	317,330	177,736,829	0	0	0	0	0	201,791,069
2008	719,125	83,668,920	409,627	112,064,898	0	0	0	0	0	129,151,911
2009	750,014	60,878,165	350,866	82,505,306	0	0	0	0	0	93,163,126
2010	1,095,272	89,834,714	402,792	122,958,584	0	0	0	0	0	140,041,474
2011	1,552,923	132,160,509	426,258	168,861,206	0	0	0	0	0	200,405,845
2012	1,697,262	108,361,130	499,032	157,928,123	0	0	0	0	0	180,293,150
2013	1,833,948	108,004,831	405,361	143,488,085	0	0	0	0	0	167,765,312
2014	1,502,077	69,625,931	17,771	88,744,346	0	0	0	0	0	105,490,451
2015	1,032,066	109,096,560	210,411	138,822,243	0	0	0	0	0	158,379,191
2016	2,560,964	164,372,403	515,157	213,468,418	0	0	0	0	0	240,852,674
2017	2,321,559	155,324,566	369,341	207,998,584	0	0	0	0	0	244,566,278
<b>2018</b>	<b>2,377,151</b>	<b>152,061,027</b>	<b>545,672</b>	<b>223,043,670</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>256,694,477</b>
2019	2,279,572	155,707,603	514,210	224,016,033	0	0	0	0	0	257,328,642
2020	2,737,536	175,624,115	572,112	253,104,559	0	0	0	0	0	288,454,541
2021	2,695,823	168,936,238	554,243	244,639,351	0	0	0	0	0	273,267,260
2022	2,812,153	181,460,042	586,602	261,818,989	0	0	0	0	0	299,038,821
2023	2,778,884	177,417,278	578,131	256,474,227	0	0	0	0	0	289,205,524
2024	2,704,855	170,892,226	562,742	247,091,538	0	0	0	0	0	278,772,795
2025	2,773,211	177,917,042	581,937	256,797,133	0	0	0	0	0	291,338,277
2026	2,686,004	169,525,098	558,892	245,041,506	0	0	0	0	0	276,479,143
2027	2,759,059	176,046,908	577,540	254,347,062	0	0	0	0	0	287,198,943
2028	2,708,575	171,769,180	565,337	248,195,446	0	0	0	0	0	280,392,131
2029	2,749,119	175,243,676	574,897	253,163,488	0	0	0	0	0	286,174,663
2030	2,696,704	170,617,887	561,629	246,544,214	0	0	0	0	0	278,463,691
2031	2,894,560	187,694,514	611,938	271,179,694	0	0	0	0	0	306,128,119
2032	2,613,436	163,013,476	538,029	235,610,154	0	0	0	0	0	266,485,241
2033	2,881,648	187,101,504	611,536	270,290,644	0	0	0	0	0	305,289,845
2034	2,641,848	165,735,878	545,614	239,424,880	0	0	0	0	0	271,007,294
2035	3,110,616	201,864,726	658,054	293,204,951	0	0	0	0	0	326,438,876
<b>TOTAL</b>	<b>65,174,526</b>	<b>4,943,820,253</b>	<b>15,892,667</b>	<b>6,903,037,413</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,997,507,653</b>

<sup>a</sup> B-18 includes Extra Peaking Charges for additional power shown in Table 9.

TABLE B-19 Total Transportation Charge for Each Contractor <sup>a</sup> (in dollars)

Calendar Year	NORTH BAY AREA			SOUTH BAY AREA				CENTRAL COASTAL AREA		
	Napa	Solano	Total	Alameda-Zone 7	Alameda County	Santa Clara	Total	San Luis Obispo	Santa Barbara	Total
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]
1961	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	11,750	43,787	21,132	76,669	0	0	0
1963	0	0	0	199,726	190,272	447,723	837,721	0	0	0
1964	0	0	0	263,282	277,455	621,356	1,162,093	6,696	21,667	28,363
1965	0	0	0	373,816	404,324	1,158,090	1,936,230	13,756	36,029	49,785
1966	18,063	0	18,063	419,468	421,723	1,412,954	2,254,144	26,524	61,349	87,873
1967	41,574	0	41,574	539,115	498,441	1,686,098	2,723,655	56,469	118,263	174,731
1968	128,628	0	128,628	663,963	603,483	1,985,220	3,252,666	115,961	229,807	345,768
1969	254,715	0	254,715	787,629	539,340	2,083,253	3,410,223	185,156	358,861	544,017
1970	277,547	0	277,547	823,454	532,567	2,202,767	3,558,788	200,150	387,675	587,825
1971	227,474	0	227,474	788,666	552,113	2,169,897	3,510,676	202,413	392,912	595,325
1972	224,978	0	224,978	830,631	678,520	2,320,421	3,829,572	209,057	406,589	615,646
1973	221,091	31,366	252,457	796,005	549,393	2,338,620	3,684,012	206,557	402,724	609,281
1974	240,498	32,938	273,437	819,920	564,593	2,506,358	3,890,871	208,545	407,090	615,635
1975	237,459	36,291	273,750	870,024	605,731	2,409,923	3,885,678	225,895	439,873	665,768
1976	271,292	40,836	312,127	960,906	734,812	2,500,506	4,196,223	228,976	447,299	676,275
1977	293,627	45,096	338,723	925,233	713,558	2,476,399	4,115,190	238,699	468,721	707,420
1978	273,870	49,178	323,048	980,768	692,587	2,785,987	4,459,342	245,331	484,259	729,590
1979	289,479	53,340	342,819	1,046,129	736,358	2,813,578	4,596,066	243,110	483,437	726,547
1980	310,846	67,748	378,594	1,164,342	866,372	3,028,204	5,058,918	269,858	537,074	806,932
1981	347,781	87,408	435,189	1,130,235	879,357	2,917,582	4,927,174	288,997	586,257	875,254
1982	438,335	106,918	545,254	1,168,329	850,483	3,262,104	5,280,916	290,049	582,577	872,806
1983	354,787	151,259	506,046	1,180,118	900,363	3,795,446	5,875,927	319,214	633,181	952,395
1984	467,336	224,245	691,581	1,472,406	1,097,480	5,737,801	8,307,688	351,620	695,559	1,047,179
1985	736,074	364,305	1,100,379	1,923,056	1,789,369	6,551,546	10,263,971	394,593	776,994	1,171,586
1986	1,084,728	692,479	1,777,207	1,750,463	1,528,732	6,863,230	10,142,425	385,545	762,684	1,148,229
1987	1,773,801	1,559,243	3,333,044	2,240,531	2,011,876	6,675,355	10,927,762	385,289	812,310	1,197,599
1988	2,231,563	2,333,792	4,565,355	2,242,358	2,210,523	6,368,850	10,821,731	420,153	978,621	1,398,774
1989	2,397,272	3,326,436	5,723,708	2,158,807	1,872,030	5,916,714	9,947,551	414,224	1,162,723	1,576,947
1990	2,746,135	3,433,320	6,179,455	2,578,252	2,261,914	6,668,440	11,508,606	487,609	1,234,409	1,722,018
1991	2,748,636	3,682,311	6,430,947	1,757,880	1,621,188	4,527,928	7,906,996	491,419	1,476,387	1,967,806
1992	2,554,528	3,528,958	6,083,486	2,079,061	2,003,328	5,385,858	9,468,247	551,042	1,491,156	2,042,198
1993	2,592,888	3,504,240	6,097,128	2,884,303	2,011,222	6,511,865	11,407,390	610,115	1,675,438	2,285,553
1994	2,718,329	3,537,459	6,255,788	2,911,054	2,642,460	7,314,515	12,868,028	767,900	2,473,449	3,241,348
1995	2,649,273	3,509,935	6,159,208	3,039,415	2,289,027	5,893,667	11,222,109	995,341	4,977,122	5,972,462
1996	2,699,210	3,891,715	6,590,926	2,588,557	2,137,443	6,675,492	11,401,491	1,837,384	13,766,531	15,603,915
1997	2,641,891	3,631,175	6,273,066	2,661,814	2,007,332	6,551,469	11,220,615	2,294,917	21,860,553	24,155,470
1998	2,538,764	3,478,062	6,016,827	2,268,210	2,064,166	6,296,505	10,628,426	2,976,896	26,690,793	29,667,689
1999	2,689,826	3,843,209	6,533,034	2,896,215	2,455,120	8,385,576	13,736,912	3,032,745	27,479,837	30,512,582
2000	2,832,574	4,308,089	7,140,663	3,920,156	2,303,786	7,030,361	13,254,303	2,946,818	27,835,591	30,782,409
2001	3,347,635	4,912,808	8,260,443	7,396,822	2,795,685	8,451,441	18,643,949	3,501,499	29,990,590	33,492,089
2002	3,555,006	5,049,516	8,604,522	10,852,278	2,777,107	9,918,869	23,548,254	29,615,200	32,124,668	32,827,668
2003	3,666,216	5,393,174	9,059,391	7,510,447	2,507,040	8,729,606	18,747,093	3,294,613	29,872,238	33,166,850
2004	4,142,871	5,618,440	9,761,311	5,711,993	2,812,117	8,200,982	16,725,093	3,307,281	30,300,985	33,608,266
2005	3,502,397	5,128,597	8,630,994	5,729,073	2,965,732	8,975,318	17,670,122	3,431,724	30,410,329	33,842,054
2006	3,405,490	4,624,880	8,030,370	5,692,924	2,960,193	9,097,766	17,750,883	3,273,580	30,050,794	33,324,373
2007	3,598,990	5,095,768	8,694,759	6,748,223	3,476,206	10,351,154	20,575,583	3,423,644	31,255,618	34,679,262
2008	4,287,515	5,050,068	9,337,583	7,595,156	3,765,969	10,500,848	21,861,973	3,921,828	32,505,115	36,426,943
2009	4,724,048	5,101,958	9,826,007	6,525,628	3,300,877	10,257,249	20,083,754	3,722,831	30,818,032	34,540,863
2010	4,979,444	6,528,768	11,508,212	7,383,527	3,655,765	11,119,752	22,159,045	4,084,203	33,044,879	37,129,082
2011	5,344,409	6,916,235	12,260,644	8,695,011	4,339,324	12,935,612	25,969,946	4,153,867	33,960,142	38,114,008
2012	5,813,947	6,878,033	12,691,980	9,577,324	4,347,819	15,197,966	29,123,108	4,207,466	34,576,398	38,783,865
2013	5,454,488	6,605,468	12,059,956	10,359,281	5,072,808	15,131,131	30,563,220	4,418,205	35,916,645	40,334,850
2014	6,105,601	7,204,244	13,309,844	10,126,155	5,341,480	15,215,682	30,683,317	4,266,039	33,109,651	37,375,690
2015	6,186,205	7,109,808	13,296,012	9,961,867	4,717,801	16,362,663	31,042,331	4,833,644	35,061,129	39,894,772
2016	6,513,420	7,714,629	14,228,048	10,357,412	4,319,939	22,304,605	36,981,956	4,609,526	39,424,193	44,033,719
2017	5,774,391	7,902,225	13,676,616	11,017,402	4,575,026	20,070,602	35,663,030	4,253,660	36,215,012	40,468,672
<b>2018</b>	<b>6,843,575</b>	<b>8,285,194</b>	<b>15,128,769</b>	<b>11,343,425</b>	<b>5,104,111</b>	<b>14,845,037</b>	<b>31,292,573</b>	<b>5,408,805</b>	<b>35,632,241</b>	<b>41,041,046</b>
2019	6,679,030	8,124,788	14,803,817	11,709,508	5,337,354	15,220,857	32,267,718	5,621,283	36,089,611	41,710,894
2020	6,552,742	7,668,693	14,221,435	11,465,004	5,261,906	16,649,352	33,376,262	5,885,099	36,424,260	42,309,359
2021	6,614,050	7,753,314	14,367,363	11,185,291	5,102,261	16,313,104	32,600,656	5,866,967	36,554,939	42,421,906
2022	6,630,660	7,788,070	14,418,730	11,716,616	5,373,210	16,985,469	34,075,296	6,008,745	36,885,186	42,893,931
2023	6,654,374	7,795,172	14,449,546	11,519,319	5,264,790	16,757,021	33,541,130	5,958,323	36,823,726	42,782,049
2024	6,673,492	7,832,278	14,505,770	11,524,334	5,261,559	16,781,019	33,566,912	5,958,417	36,865,985	42,824,403
2025	6,686,315	7,867,671	14,553,985	11,735,295	5,365,614	17,058,996	34,159,906	6,017,281	37,028,693	43,045,974
2026	6,704,378	7,902,910	14,607,288	11,627,870	5,303,713	16,944,609	33,876,192	5,987,274	37,009,178	42,996,452
2027	6,723,831	7,938,176	14,662,007	11,754,236	5,363,401	17,116,443	34,234,080	6,023,112	37,123,083	43,146,195
2028	6,743,007	7,973,893	14,716,900	11,780,627	5,370,928	17,166,435	34,317,990	6,024,929	37,168,845	43,193,774
2029	6,762,496	8,010,229	14,772,725	11,876,384	5,414,517	17,301,704	34,592,605	6,053,416	37,268,696	43,322,113
2030	6,775,068	8,035,849	14,810,916	11,879,378	5,409,941	17,324,510	34,613,829	6,053,721	37,310,457	43,364,178
2031	6,783,645	8,056,300	14,839,946	12,071,651	5,503,600	17,577,304	35,152,554	6,109,931	37,458,076	43,568,007
2032	6,794,629	8,077,326	14,871,955	11,950,685	5,434,495	17,451,586	34,836,766	6,070,453	37,428,757	43,499,211
2033	6,786,429	8,071,703	14,858,132	12,202,546	5,559,664	17,778,374	35,540,583	6,146,679	37,634,446	43,781,125
2034	6,738,493	8,038,235	14,776,728	12,100,890	5,500,660	17,674,523	35,275,473	6,115,386	37,615,225	43,730,611
2035	6,617,800	7,937,245	14,555,045	12,166,434	5,527,877	17,766,135	35,460,446	6,152,222	37,736,145	43,888,367
<b>TOTAL</b>	<b>243,720,957</b>	<b>295,543,016</b>	<b>539,263,973</b>	<b>410,966,066</b>	<b>207,332,516</b>	<b>673,832,058</b>	<b>1,292,130,640</b>	<b>196,503,141</b>	<b>1,365,820,479</b>	<b>1,562,323,620</b>

<sup>a</sup> Capital charges repaid through bond debt service prior to 2016 exclude bond cover; 2017 and after includes both bond debt service and bond cover.

TABLE B-19 Total Transportation Charge for Each Contractor <sup>a</sup> (in dollars)

Sheet 2 of 4

Calendar Year	SAN JOAQUIN VALLEY AREA								
	Dudley Ridge	Empire	Future Contractor San Joaquin Valley	Kern		Kings	Oak Flat	Tulare	Total
				Municipal and	Agricultural				
				Industrial					
[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	
1961	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0
1964	0	0	2,725	0	0	0	0	0	2,725
1965	0	0	6,029	73,569	0	0	0	0	79,598
1966	0	0	12,039	137,330	0	0	0	0	149,368
1967	0	0	26,257	267,611	0	0	0	0	293,869
1968	187,534	9,054	54,588	445,439	1,559,495	13,770	11,793	211,368	2,493,040
1969	183,145	8,081	87,576	525,094	2,423,132	12,625	10,815	366,385	3,616,854
1970	205,443	14,848	94,675	573,998	2,952,647	12,790	13,360	300,629	4,168,389
1971	202,173	15,806	95,695	605,889	3,873,589	17,763	14,680	456,194	5,281,788
1972	225,169	16,674	98,788	631,615	5,069,232	15,220	21,202	1,104,398	7,182,298
1973	208,169	12,745	97,550	639,250	5,013,837	15,483	12,013	418,062	6,417,109
1974	290,482	12,714	98,460	698,247	5,327,057	15,590	13,129	612,790	7,068,470
1975	359,113	13,659	106,703	715,606	6,468,657	16,620	14,823	746,460	8,441,640
1976	311,963	14,205	108,084	774,291	6,832,002	16,993	16,540	577,562	8,651,640
1977	273,825	11,315	112,554	797,859	7,019,367	18,457	14,290	523,882	8,771,549
1978	363,156	4,441	115,521	890,945	8,488,757	18,921	18,349	518,453	10,418,543
1979	394,489	14,052	114,253	896,194	9,629,878	20,202	25,291	968,989	12,063,347
1980	416,167	12,402	125,950	888,893	10,203,760	20,749	24,836	753,458	12,446,215
1981	479,658	30,243	134,169	1,079,315	11,667,370	24,939	23,365	925,724	14,364,784
1982	474,167	13,393	135,057	1,004,667	12,516,933	22,955	22,850	764,024	14,954,046
1983	647,788	14,987	149,202	1,027,258	15,744,405	39,971	29,530	430,210	18,083,352
1984	920,844	15,401	164,505	2,063,179	23,887,339	54,427	60,122	798,039	27,963,857
1985	1,109,750	87,962	184,905	2,350,593	28,211,379	69,483	70,662	2,180,888	34,265,623
1986	1,274,348	34,418	180,445	2,365,159	30,785,059	80,769	76,542	2,204,200	37,000,940
1987	1,133,283	51,213	179,872	2,804,776	29,610,199	78,018	74,799	2,264,106	36,196,266
1988	1,119,251	62,008	193,735	2,750,424	29,539,148	74,168	60,694	2,222,644	36,022,071
1989	1,155,129	49,690	187,913	2,435,635	29,612,795	67,048	69,178	2,466,943	36,044,331
1990	872,131	34,852	221,392	2,541,316	27,740,495	51,058	49,617	1,895,658	33,406,517
1991	594,795	23,757	220,282	2,055,250	17,939,887	27,930	27,386	1,256,223	22,145,510
1992	965,185	39,593	241,455	2,369,788	26,238,008	55,795	51,440	1,933,363	31,894,628
1993	1,177,475	54,120	264,959	2,799,482	31,752,177	72,889	70,123	2,666,951	38,858,176
1994	1,032,565	44,246	306,359	2,808,829	29,627,988	60,460	57,890	2,142,881	36,081,217
1995	1,529,253	47,104	304,297	3,499,611	36,751,543	88,875	80,713	2,796,991	45,098,388
1996	1,357,981	48,736	389,203	3,560,139	36,724,175	86,092	74,361	4,342,882	46,583,569
1997	1,399,510	25,893	276,681	3,107,763	32,892,756	36,715	69,221	1,696,959	39,505,498
1998	1,243,394	34,848	381,847	2,654,434	29,649,306	41,835	60,517	1,827,203	35,893,383
1999	1,241,779	56,506	369,935	3,072,927	31,857,217	75,744	66,032	4,209,617	40,949,757
2000	1,074,841	38,453	302,665	2,319,641	26,765,789	61,870	55,309	2,808,723	33,427,291
2001	1,752,952	63,378	328,028	2,237,334	34,265,730	80,120	101,671	3,083,730	41,912,941
2002	1,329,431	44,084	320,541	2,330,951	29,240,228	73,376	78,397	2,572,053	35,989,060
2003	1,397,821	48,984	339,960	2,741,740	32,063,241	89,704	79,627	2,890,486	39,651,563
2004	1,454,738	78,345	342,844	3,759,643	30,680,825	234,847	82,228	2,402,767	39,035,876
2005	2,044,256	88,285	355,581	2,982,461	41,749,539	419,027	81,768	3,452,685	51,173,602
2006	1,791,569	75,158	295,034	3,281,028	37,728,605	252,456	79,123	2,800,608	46,303,581
2007	1,659,453	69,779	333,578	3,062,847	35,612,902	234,110	82,506	2,953,544	44,008,719
2008	1,514,140	62,084	468,955	3,449,499	34,886,389	247,313	80,642	2,428,779	43,137,801
2009	1,210,400	50,001	435,155	2,185,133	30,533,786	191,571	62,396	2,019,615	36,688,057
2010	1,436,573	105,908	507,229	2,347,394	36,034,430	248,598	83,923	2,627,058	43,391,113
2011	2,184,278	82,010	506,329	3,444,348	51,165,837	303,473	92,442	2,731,137	60,509,855
2012	1,272,928	89,617	467,362	3,247,999	41,063,269	319,570	93,226	3,498,848	50,052,819
2013	1,611,980	82,202	518,813	3,403,163	40,858,439	279,150	91,693	2,744,856	49,590,294
2014	1,613,184	66,560	635,247	2,813,795	36,274,444	228,520	93,619	2,118,263	43,843,630
2015	1,397,952	67,912	755,755	3,201,652	37,888,673	227,788	81,743	2,299,165	45,920,641
2016	1,382,943	89,113	487,099	2,930,991	39,441,380	262,403	86,227	2,691,682	47,371,839
2017	2,034,866	93,541	542,904	4,567,470	48,208,637	344,919	100,977	3,230,137	59,123,452
2018	<b>1,866,408</b>	<b>101,940</b>	<b>566,035</b>	<b>5,089,874</b>	<b>47,896,425</b>	<b>339,803</b>	<b>130,275</b>	<b>3,302,436</b>	<b>59,293,195</b>
2019	1,887,188	103,372	585,532	5,146,814	48,495,802	345,543	129,794	3,336,561	60,030,606
2020	1,797,422	104,034	575,420	5,183,066	48,072,799	347,938	133,227	3,355,254	59,569,161
2021	1,575,295	90,051	592,683	4,653,030	44,105,162	305,232	105,968	2,947,646	54,375,067
2022	1,869,072	108,575	596,785	5,394,703	49,604,568	362,551	140,671	3,487,821	61,564,746
2023	1,727,252	99,653	601,125	5,037,194	47,118,709	334,788	123,056	3,227,756	58,269,533
2024	1,702,946	98,135	605,418	4,963,609	46,708,783	329,998	120,075	3,183,583	57,712,547
2025	1,805,215	104,592	609,717	5,230,670	48,717,034	349,936	131,650	3,371,950	60,320,763
2026	1,713,276	98,813	614,359	4,983,151	47,056,247	331,920	120,623	3,203,535	58,121,924
2027	1,766,963	102,210	618,675	5,132,409	48,204,100	342,343	126,172	3,302,660	59,595,532
2028	1,756,295	101,552	621,250	5,093,450	48,046,627	340,144	124,818	3,283,561	59,367,696
2029	1,791,316	103,773	625,993	5,188,005	48,819,137	346,916	128,348	3,348,404	60,351,891
2030	1,766,181	102,203	630,814	5,111,638	48,399,993	341,925	125,238	3,302,738	59,780,729
2031	1,868,993	108,696	634,387	5,399,820	50,596,110	361,602	135,750	3,492,132	62,597,489
2032	1,753,819	101,454	639,588	5,045,564	48,260,906	339,099	123,558	3,281,062	59,545,049
2033	1,890,305	110,068	644,516	5,452,211	51,171,593	365,630	137,468	3,532,330	63,304,121
2034	1,795,912	104,136	649,214	5,148,523	49,251,022	347,026	127,548	3,359,447	60,782,829
2035	1,839,611	106,904	653,856	5,378,420	50,765,662	355,327	128,483	3,440,264	62,668,526
<b>TOTAL</b>	<b>83,686,889</b>	<b>4,074,537</b>	<b>24,851,744</b>	<b>202,851,613</b>	<b>2,123,362,412</b>	<b>11,610,888</b>	<b>5,106,402</b>	<b>155,697,407</b>	<b>2,611,241,893</b>

<sup>a</sup> Capital charges repaid through bond debt service prior to 2016 exclude bond cover; 2017 and after includes both bond debt service and bond cover.

TABLE B-19 Total Transportation Charge for Each Contractor<sup>a</sup> (in dollars)

Calendar Year	SOUTHERN CALIFORNIA AREA									
	AVEK	Castaic Lake	Coachella	Crestline	Desert	Littlerock	Mojave	Palmdale	San Bernardino	San Gabriel
	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]
1961	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0
1963	34,411	0	0	0	726	0	0	0	51,729	0
1964	64,494	27,447	19,542	4,370	38,211	1,143	30,324	8,205	82,811	34,987
1965	121,484	53,007	34,348	7,194	42,701	2,082	53,730	15,222	135,069	35,344
1966	221,012	101,264	62,476	12,478	76,886	3,753	96,944	27,679	232,502	61,465
1967	427,622	210,814	121,269	23,472	148,839	7,284	188,141	54,023	433,350	115,574
1968	754,401	479,119	218,649	41,509	265,168	12,870	336,294	95,466	782,163	208,927
1969	1,090,136	726,302	334,105	61,226	394,024	18,693	500,828	138,063	1,205,834	321,755
1970	1,420,639	906,611	470,423	89,700	552,223	25,231	692,388	184,837	1,778,187	467,573
1971	1,760,670	1,091,194	627,331	128,360	754,065	31,837	931,873	231,280	2,538,219	659,414
1972	2,084,699	1,311,512	777,838	181,206	971,501	42,404	1,195,707	274,599	3,388,734	865,095
1973	2,177,324	1,328,210	920,218	183,713	1,184,696	43,482	1,262,464	287,315	3,971,543	946,686
1974	2,241,780	1,388,228	938,860	193,283	1,212,205	45,212	1,296,245	292,071	3,998,510	990,064
1975	2,419,858	1,457,332	983,580	206,040	1,280,804	48,490	1,365,814	304,281	4,159,094	1,088,341
1976	2,773,862	1,453,191	1,032,075	215,084	1,356,888	51,463	1,409,660	313,685	4,299,592	1,141,598
1977	2,717,286	1,522,936	929,532	226,032	1,194,916	47,348	1,482,769	329,365	4,553,831	1,197,216
1978	3,035,392	1,608,589	1,111,606	231,040	1,470,658	47,118	1,484,125	321,681	4,460,167	1,208,720
1979	3,589,381	1,644,020	1,180,841	237,955	1,569,175	48,396	1,613,105	332,472	4,422,382	1,152,375
1980	4,136,480	1,726,534	1,271,861	259,041	1,730,656	53,348	1,733,981	360,461	4,835,652	1,269,447
1981	4,469,204	1,981,128	1,355,504	271,181	1,850,802	77,806	1,860,027	391,869	5,224,182	1,357,680
1982	4,031,426	2,073,666	1,403,332	280,313	1,936,175	55,961	2,055,747	406,891	5,410,876	1,565,182
1983	5,224,176	2,336,894	1,997,502	333,081	2,880,959	69,381	2,132,388	494,688	6,020,929	1,556,652
1984	7,262,706	3,379,221	3,084,372	445,339	4,608,046	75,773	2,362,479	553,321	7,049,449	2,331,849
1985	8,979,937	3,764,491	3,882,496	540,388	5,883,196	79,232	2,474,531	759,052	7,740,359	2,378,394
1986	8,880,068	4,332,940	4,308,841	577,474	6,571,197	102,400	2,585,004	1,000,062	7,857,569	3,047,741
1987	8,897,753	4,174,459	4,164,707	604,982	6,418,841	211,809	2,618,641	1,026,398	9,224,608	3,034,142
1988	8,373,323	4,238,580	4,163,832	615,999	6,482,143	124,667	2,674,175	779,820	9,505,259	2,828,998
1989	8,750,651	4,119,069	3,808,646	586,595	5,952,262	170,570	2,622,341	1,442,627	8,944,266	2,930,395
1990	10,040,074	4,560,098	4,487,886	620,394	7,014,185	289,349	2,820,942	1,639,830	9,975,019	3,678,107
1991	6,542,001	3,529,030	2,996,131	567,450	4,550,559	175,137	3,580,884	1,294,608	8,921,539	3,035,638
1992	8,644,005	4,486,596	3,068,616	470,165	4,667,984	121,335	4,382,838	1,129,578	8,573,361	2,980,091
1993	9,028,570	4,118,011	3,267,678	472,817	4,993,632	157,747	4,262,401	1,347,511	9,505,683	3,320,012
1994	11,216,190	4,730,223	3,313,737	554,651	5,066,159	225,809	5,256,291	1,698,990	10,209,083	4,076,706
1995	10,817,875	4,988,062	4,087,603	509,163	6,340,703	155,561	4,344,518	1,527,248	9,443,228	3,715,377
1996	11,187,158	5,176,142	7,025,782	553,232	11,183,947	150,612	4,412,113	1,867,203	9,869,329	3,807,422
1997	11,437,950	4,942,863	6,588,591	579,281	7,422,990	144,833	4,716,366	1,869,307	11,268,380	4,037,862
1998	9,956,830	4,571,330	5,663,864	546,645	5,928,447	146,074	5,752,723	1,474,029	11,192,751	3,321,115
1999	11,531,679	5,021,780	4,698,256	638,518	6,060,988	147,200	5,998,812	1,864,854	12,351,722	4,198,794
2000	10,579,316	6,836,454	3,059,860	593,984	4,361,929	115,267	5,759,893	1,446,974	11,878,370	3,249,463
2001	20,607,925	12,460,450	4,100,681	797,527	6,349,945	127,791	6,459,527	3,340,991	17,850,469	3,395,382
2002	11,990,939	9,683,109	3,358,252	759,148	5,125,059	109,666	5,586,379	2,738,190	18,762,899	4,782,871
2003	13,366,291	10,737,399	3,480,415	729,620	5,324,825	115,323	7,249,334	2,277,187	17,174,460	4,950,854
2004	14,235,930	11,802,795	4,112,231	829,136	5,365,054	124,162	7,359,716	2,517,834	21,502,746	4,388,736
2005	14,640,859	10,849,027	17,785,625	653,880	10,282,020	114,279	7,159,800	2,566,959	19,551,335	4,652,123
2006	16,094,220	9,952,959	27,259,641	633,160	9,864,256	122,165	9,849,282	2,488,182	19,274,319	4,664,444
2007	19,626,995	13,367,477	26,107,567	880,501	9,362,927	126,578	13,675,716	4,029,834	25,504,781	3,830,464
2008	17,113,686	15,263,993	25,602,771	804,529	10,255,652	134,971	11,990,602	3,949,221	25,594,099	4,777,880
2009	14,851,069	12,994,009	23,275,428	780,489	8,129,472	133,461	11,662,428	3,675,343	25,475,564	5,254,942
2010	17,473,573	12,641,979	31,693,947	685,639	10,942,233	129,260	13,953,676	3,009,563	27,778,913	6,743,599
2011	23,822,880	12,338,571	33,200,942	744,441	11,912,355	136,121	7,564,215	3,017,374	25,013,394	7,443,155
2012	24,241,879	14,492,357	40,151,310	849,526	14,393,958	147,960	9,334,767	4,416,546	38,729,268	7,772,527
2013	19,278,615	16,993,271	31,796,091	1,056,777	10,803,762	165,327	9,263,022	3,465,363	29,520,847	5,890,315
2014	14,795,024	15,793,203	27,420,283	1,156,248	8,799,634	172,053	9,401,498	3,589,187	29,765,019	4,867,819
2015	12,649,725	14,864,465	30,172,442	1,122,265	10,013,761	163,343	10,781,470	2,733,054	34,790,280	5,849,321
2016	16,355,196	13,805,773	32,999,549	1,027,521	10,830,871	157,117	12,386,338	3,222,688	41,155,424	7,138,854
2017	24,574,616	16,122,755	32,668,936	1,085,044	11,206,187	321,643	9,694,910	3,470,821	39,811,442	7,004,240
<b>2018</b>	<b>24,176,513</b>	<b>19,920,965</b>	<b>41,327,158</b>	<b>1,558,456</b>	<b>13,838,727</b>	<b>420,574</b>	<b>17,494,383</b>	<b>5,069,950</b>	<b>42,856,121</b>	<b>7,607,632</b>
2019	24,218,845	19,405,502	39,910,671	1,556,964	13,619,627	415,084	17,558,780	4,960,492	43,640,640	7,674,196
2020	25,368,683	19,851,721	41,040,892	1,553,069	13,852,564	427,353	17,879,537	5,176,212	43,808,939	7,672,918
2021	25,409,511	19,544,367	40,753,854	1,514,550	13,630,437	417,402	17,571,418	5,045,744	43,169,163	7,505,616
2022	26,279,566	20,054,689	40,954,176	1,541,600	13,861,982	431,472	17,961,763	5,252,719	43,605,868	7,636,502
2023	26,050,025	19,958,307	40,119,490	1,533,883	13,679,758	427,607	17,884,267	5,196,750	43,401,249	7,575,101
2024	25,545,331	19,674,324	39,565,963	1,509,813	13,467,181	419,328	17,592,253	5,074,005	43,017,366	7,465,000
2025	26,088,293	20,112,968	40,155,227	1,534,685	13,706,864	428,224	17,921,245	5,195,552	43,487,589	7,591,394
2026	25,505,426	19,767,242	39,508,291	1,509,924	13,450,468	418,684	17,607,839	5,054,583	43,037,173	7,459,013
2027	26,121,155	20,132,267	40,177,639	1,538,305	13,721,441	428,770	17,961,726	5,191,817	43,571,906	7,602,668
2028	25,819,357	19,998,914	39,900,740	1,527,334	13,604,083	423,842	17,819,755	5,115,819	43,395,078	7,546,324
2029	26,179,075	20,189,751	40,355,709	1,545,162	13,781,189	429,743	18,033,095	5,193,817	43,765,962	7,643,558
2030	25,839,013	19,988,377	40,074,881	1,533,324	13,659,917	424,212	17,878,741	5,109,706	43,588,529	7,586,614
2031	27,370,317	20,688,918	41,684,913	1,600,754	14,303,291	449,237	18,718,192	5,466,730	44,813,364	7,924,227
2032	25,234,893	19,575,601	39,617,261	1,510,949	13,461,667	414,339	17,582,819	4,963,603	43,310,133	7,494,894
2033	27,419,417	20,754,557	41,854,598	1,609,209	14,352,640	450,100	18,826,239	5,471,872	44,990,032	7,959,380
2034	25,410,616	19,774,670	39,992,729	1,523,731	13,592,448	417,306	17,764,428	5,009,785	43,617,404	7,567,167
2035	29,242,054	21,171,065	43,813,711	1,689,611	15,122,309	479,837	19,826,119	5,899,405	46,467,784	8,360,056
<b>TOTAL</b>	<b>969,919,338</b>	<b>685,125,135</b>	<b>1,213,455,800</b>	<b>55,150,489</b>	<b>532,088,043</b>	<b>13,543,667</b>	<b>575,602,789</b>	<b>175,542,465</b>	<b>1,470,115,191</b>	<b>303,495,986</b>

<sup>a</sup> Capital charges repaid through bond debt service prior to 2016 exclude bond cover; 2017 and after includes both bond debt service and bond cover.



TABLE B-19 Total Transportation Charge for Each Contractor <sup>a</sup> (in dollars)

Sheet 4 of 4

Calendar Year	SOUTHERN CALIFORNIA AREA (continued)				FEATHER RIVER AREA				South Bay Area Future Contractor	Grand Total
	San Gorgonio	Metropolitan	Ventura	Total	Yuba City	Butte	Plumas	Total		
	[30]	[31]	[32]	[33]	[34]	[35]	[36]	[37]		
1961	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	3,219	79,888
1963	0	690,812	0	777,678	0	0	0	0	12,626	1,628,026
1964	21,735	1,260,513	9,378	1,603,161	0	0	0	0	13,938	2,810,279
1965	21,866	2,180,589	17,766	2,720,401	0	0	405	405	28,937	4,815,355
1966	37,964	3,900,172	33,426	4,868,023	0	0	565	565	31,321	7,409,358
1967	71,283	7,693,703	68,155	9,563,529	0	0	562	562	47,718	12,845,638
1968	128,915	15,317,881	142,803	18,784,166	0	0	564	564	46,945	25,051,777
1969	198,764	23,153,064	215,209	28,358,004	0	0	3,191	3,191	52,963	36,239,966
1970	289,633	30,617,164	273,605	37,768,213	0	0	15,121	15,121	69,744	46,445,627
1971	409,327	39,958,997	342,425	49,464,993	0	0	16,001	16,001	55,532	59,151,789
1972	537,186	52,948,599	422,304	65,001,374	0	0	17,372	17,372	80,412	76,951,652
1973	587,963	57,273,225	435,655	70,602,495	0	0	17,334	17,334	54,219	81,636,913
1974	611,428	61,776,466	455,565	75,439,918	0	0	17,477	17,477	76,783	87,382,591
1975	644,621	66,756,784	478,403	81,193,443	0	0	18,406	18,406	84,547	94,563,231
1976	668,315	68,485,047	475,587	83,676,047	0	0	17,477	17,477	106,717	97,636,507
1977	696,515	66,234,179	507,063	81,638,988	0	0	18,232	18,232	98,618	95,688,719
1978	709,040	72,934,779	523,177	89,146,091	0	0	17,381	17,381	100,786	105,194,780
1979	712,866	72,666,594	526,405	89,695,966	0	0	20,579	20,579	119,352	107,564,676
1980	777,981	79,926,555	571,232	98,653,591	0	0	17,761	17,761	178,812	117,540,823
1981	806,031	91,261,394	636,404	111,543,210	0	0	21,193	21,193	185,347	132,352,151
1982	853,400	93,144,741	670,375	113,888,084	0	0	28,423	28,423	173,894	135,743,422
1983	952,131	101,787,700	803,591	126,590,072	0	0	19,276	19,276	220,926	152,247,993
1984	1,072,639	137,507,077	868,967	170,601,238	0	0	21,114	21,114	225,959	208,858,617
1985	1,120,854	172,916,230	908,769	211,427,927	0	0	20,239	20,239	340,322	258,590,046
1986	1,149,714	193,242,026	937,311	234,592,346	0	0	20,139	20,139	279,227	284,960,513
1987	1,172,015	178,764,439	908,034	221,220,827	0	0	19,742	19,742	345,116	273,240,356
1988	1,208,206	190,243,523	904,868	232,143,393	0	0	17,900	17,900	365,207	285,334,431
1989	1,194,911	193,235,261	932,599	234,690,193	0	0	19,158	19,158	422,329	288,424,216
1990	1,297,621	239,540,417	1,486,755	287,270,677	0	0	18,148	18,148	474,284	340,579,705
1991	1,354,921	179,950,983	1,141,118	217,640,299	0	0	21,018	21,018	214,683	256,327,258
1992	1,349,184	196,166,977	1,025,285	237,066,016	0	0	18,014	18,014	443,676	287,016,264
1993	1,507,550	169,493,328	1,068,135	212,543,076	0	0	20,999	20,999	599,571	271,811,894
1994	1,497,753	209,282,955	1,008,952	258,137,499	0	0	19,649	19,649	609,966	317,213,496
1995	1,520,622	173,420,265	1,061,324	221,931,546	0	0	20,277	20,277	534,971	290,938,961
1996	1,527,165	181,404,029	1,103,254	239,267,389	0	0	25,378	25,378	571,857	320,044,525
1997	1,730,348	186,736,527	1,216,560	242,691,856	0	0	24,820	24,820	428,638	324,299,963
1998	1,920,021	168,571,967	1,237,386	220,283,182	0	0	0	0	465,095	302,954,602
1999	2,167,221	192,300,888	1,266,033	248,246,744	0	0	0	0	584,116	340,563,145
2000	2,399,015	184,932,812	1,320,919	236,534,254	0	0	0	0	0	321,138,920
2001	3,321,241	374,039,724	1,616,021	454,467,675	0	0	0	0	0	556,777,096
2002	4,666,201	264,583,886	1,648,226	333,794,825	0	0	0	0	0	434,764,328
2003	5,925,777	292,850,922	1,668,182	365,850,589	0	0	20,800	20,800	0	466,496,286
2004	6,247,877	339,977,107	1,909,916	420,373,241	0	0	20,830	20,830	0	519,524,617
2005	6,521,078	312,842,936	1,398,129	409,018,049	0	0	20,827	20,827	0	520,355,648
2006	6,999,432	288,271,121	1,326,976	396,800,158	0	0	21,280	21,280	0	502,230,645
2007	7,651,044	373,699,169	1,869,669	499,732,717	0	0	20,893	20,893	0	607,711,933
2008	8,924,224	339,295,636	2,263,793	465,971,058	0	0	22,411	22,411	0	576,757,769
2009	9,237,328	303,159,441	2,071,358	420,700,332	0	0	18,220	18,220	0	521,857,233
2010	10,293,970	347,862,982	2,096,463	485,298,458	0	0	18,448	18,448	0	599,504,357
2011	11,089,087	391,153,143	2,093,965	529,529,643	0	0	20,130	20,130	0	666,404,226
2012	12,038,782	378,730,144	2,351,391	547,650,415	0	0	18,469	18,469	0	678,320,656
2013	12,565,865	364,188,780	2,271,117	507,259,153	0	0	17,665	17,665	0	639,825,139
2014	15,040,620	316,458,758	1,828,957	449,088,303	0	0	17,492	17,492	0	574,318,277
2015	16,968,882	331,003,340	1,883,235	472,995,584	0	0	17,088	17,088	0	603,166,428
2016	20,095,086	376,362,647	2,186,455	537,723,520	0	0	22,213	22,213	0	680,361,295
2017	21,407,814	401,006,537	2,400,575	570,775,520	0	0	17,109	17,109	0	719,724,398
<b>2018</b>	<b>21,959,767</b>	<b>406,215,518</b>	<b>2,557,343</b>	<b>605,003,108</b>	<b>0</b>	<b>0</b>	<b>17,096</b>	<b>17,096</b>	<b>0</b>	<b>751,775,787</b>
2019	22,119,375	408,165,573	2,499,191	605,744,941	0	0	14,478	14,478	0	754,572,456
2020	22,427,061	418,226,542	2,514,110	619,799,600	0	0	2,549	2,549	0	769,278,366
2021	22,356,956	411,190,546	2,497,507	610,607,070	0	0	1,725	1,725	0	754,373,788
2022	22,443,681	419,596,313	2,507,238	622,127,569	0	0	343	343	0	775,080,615
2023	22,422,039	415,861,506	2,510,510	616,620,493	0	0	345	345	0	765,663,097
2024	22,369,031	409,225,620	2,495,651	607,420,867	0	0	347	347	0	756,030,846
2025	22,458,360	417,210,140	2,525,903	618,416,445	0	0	348	348	0	770,497,421
2026	22,393,007	409,899,186	2,514,190	608,125,026	0	0	350	350	0	757,727,231
2027	22,493,099	417,655,018	2,544,293	619,140,103	0	0	350	350	0	770,778,267
2028	22,473,181	414,679,072	2,542,367	614,845,865	0	0	352	352	0	766,442,576
2029	22,546,037	419,264,181	2,559,103	621,486,382	0	0	353	353	0	774,526,069
2030	22,526,410	415,157,804	2,544,591	615,912,118	0	0	356	356	0	768,482,127
2031	22,743,617	431,244,716	2,578,628	639,586,904	0	0	357	357	0	795,745,258
2032	22,500,755	407,700,299	2,509,868	605,877,080	0	0	359	359	0	758,630,419
2033	22,794,096	432,246,844	2,584,010	641,312,993	0	0	361	361	0	798,797,315
2034	22,573,734	411,684,448	2,525,460	611,453,926	0	0	364	364	0	766,019,932
2035	23,067,283	449,058,071	2,649,717	666,847,023	0	0	366	366	0	823,419,773
<b>TOTAL</b>	<b>618,588,522</b>	<b>17,467,446,330</b>	<b>104,548,905</b>	<b>24,184,622,661</b>	<b>0</b>	<b>0</b>	<b>888,590</b>	<b>888,590</b>	<b>8,748,370</b>	<b>30,199,219,746</b>

<sup>a</sup> Capital charges repaid through bond debt service prior to 2016 exclude bond cover; 2017 and after includes both bond debt service and bond cover.

**TABLE B-20A Calculation of Delta Water Rates**

**Calculation in Accordance with Article 53(i) of the Monterey Amendment**  
**(Values in millions of dollars [\$] or millions of acre-feet [af] discounted to 2017 at 4.610 percent per annum)**

Procedure	Capital Cost Component		Minimum Operation, Maintenance, Power and Replacement Component <sup>a</sup>		Total Delta Water Rate	
	[1]		[2]		[3]	
<b>Commencing in 2018</b>						
Total Costs of "Initial" Project Conservation Facilities to be Reimbursed and Project Water Table A Amounts During the Project Repayment Period	\$9,042.13 <sup>b</sup>	487.60 af	\$8,022.39 <sup>c</sup>	487.60 af	\$17,064.52	487.60 af
Less, Project Power Revenues to be Realized During the Project Repayment Period	(\$4,553.19)		(\$4,306.45)		(\$8,859.64)	
Less, Delta Water Charges Paid and Project Water Table A Amounts, Prior to 2018	(\$3,347.16) <sup>d</sup>	(437.30) af	(\$1,363.41)	(437.30) af	(\$4,710.57)	(437.30) af
<b>TOTAL</b>	<b>\$1,141.78</b>	<b>50.30 af</b>	<b>\$2,352.53</b>	<b>50.30 af</b>	<b>\$3,494.31</b>	<b>50.30 af</b>
Rate Applicable in 2018	\$22.70 per acre-foot		\$46.77 per acre-foot		\$69.47 per acre-foot	

**Calculation Under Original Provisions, without the Monterey Amendment**  
**(for Plumas and Empire)**

Procedure	Capital Cost Component		Minimum Operation, Maintenance, Power and Replacement Component <sup>a</sup>		Total Delta Water Rate	
	[4]		[5]		[6]	
<b>Commencing in 2018</b>						
Total Costs of "Initial" Project Conservation Facilities to be Reimbursed and Project Water Table A Amounts during the Project Repayment Period	\$9,022.09 <sup>b</sup>	487.60 af	\$7,985.29 <sup>c</sup>	487.60 af	\$17,007.37	487.60 af
Less, Project Power Revenues to be Realized During the Project Repayment Period	(\$4,553.19)		(\$4,306.45)		(\$8,859.64)	
Less, Delta Water Charges Paid and Project Water Table A Amounts, Prior to 2018	(\$3,347.16) <sup>d</sup>	(437.30) af	(\$1,363.41)	(437.30) af	(\$4,710.57)	(437.30) af
<b>TOTAL</b>	<b>\$1,121.73</b>	<b>50.30 af</b>	<b>\$2,315.43</b>	<b>50.30 af</b>	<b>\$3,437.16</b>	<b>50.30 af</b>
Rate Applicable in 2018	\$22.30 per acre-foot		\$46.03 per acre-foot		\$68.33 per acre-foot	

<sup>a</sup> Considering that all operating costs of Project Conservation Facilities will not vary with annual amounts of Project water delivered, and therefore are properly classified as "Minimum" OMP&R Costs. OMP&R costs exclude amounts for Conservation Replacement Accounting System.

<sup>b</sup> Including net credits of \$4,850,000 for settlements as to the magnitude of Project Capital costs incurred prior to December 31, 1960, and net credits of \$6,678,320 for settlement as to the magnitude of Project Capital costs incurred during the 1961 through 1978 period.

<sup>c</sup> Includes conservation power costs and credits at San Luis Reservoir.

<sup>d</sup> Applying all Delta Water Charges paid prior to 1970 to reimburse Capital costs (the charge was not divided into components until 1970).

**TABLE B-20B Delta Water Rates by Facility (in dollars per acre-foot)**

<b>Item</b>	<b>Capital Cost Component</b>	<b>Minimum Operation, Maintenance, Power and Replacement Component</b>	<b>Total Delta Water Rate</b>
	[1]	[2]	[3]
<b>Initial Conservation Facilities</b>			
Oroville Division			
Water Supply and Power Costs <sup>a</sup>	106.57	70.56	177.13
Less, Oroville Power Revenues	<u>-64.00</u>	<u>-27.11</u>	<u>-91.10</u>
<i>Subtotal</i>	42.57	43.45	86.02
Delta Facilities <sup>b</sup>	33.77	54.25	88.02
California Aqueduct portion			
Reach 1	6.45	13.15	19.60
Reach 2A	3.70	1.57	5.27
Reach 2B	1.86	1.11	2.97
Reach 3	<u>1.31</u>	<u>0.58</u>	<u>1.89</u>
<i>Subtotal</i>	13.32	16.42	29.74
San Luis Facilities	20.44	17.53	37.97
Planning and Preoperating Costs through 2016	5.27	0.00	5.27
45,000 af Relinquished Costs	0.40	0.74	1.14
Less, Capital Cost Credits	-2.55	0.00	-2.55
Less, Delta Water Charges paid prior to 2018	<u>-90.52</u>	<u>-85.62</u>	<u>-176.14</u>
Rate Applicable in 2018	22.70	46.77	69.47

<sup>a</sup>Includes revenue received from non-SWP contractors.

<sup>b</sup>Includes: 1. Delta Facility planning costs; 2. Delta Studies costs; and 3. Suisun Marsh Facilities Costs.

TABLE B-21 Total Delta Water Charge for Each Contractor (in dollars)

Calendar Year	NORTH BAY AREA			SOUTH BAY AREA				CENTRAL COASTAL AREA		
	Napa	Solano	Total	Alameda- Zone 7	Alameda County	Santa Clara	Total	San Luis Obispo	Santa Barbara	Total
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]
1964	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	14,000	50,050	177,100	241,150	0	0	0
1968	0	0	0	19,156	29,701	193,245	242,102	0	0	0
1969	0	0	0	30,324	44,096	215,483	289,903	0	0	0
1970	0	0	0	80,908	107,730	585,200	773,838	0	0	0
1971	0	0	0	57,320	123,080	637,120	817,520	0	0	0
1972	0	0	0	99,668	143,877	707,328	950,873	0	0	0
1973	0	0	0	120,880	167,099	782,167	1,070,146	0	0	0
1974	0	0	0	137,684	182,339	818,664	1,138,687	0	0	0
1975	0	0	0	146,204	187,324	804,123	1,137,651	0	0	0
1976	0	0	0	168,489	208,652	862,036	1,239,177	0	0	0
1977	0	0	0	172,931	208,645	827,062	1,208,638	0	0	0
1978	0	0	0	206,378	243,231	926,594	1,376,203	0	0	0
1979	0	0	0	237,771	273,208	1,005,955	1,516,934	0	0	0
1980	0	18,325	18,325	272,717	307,426	1,090,867	1,671,010	12,396	3,479	15,875
1981	0	25,440	25,440	415,564	469,768	1,589,984	2,475,316	18,068	10,414	28,482
1982	0	34,917	34,917	457,988	519,053	1,679,289	2,656,330	38,166	99,788	137,954
1983	0	12,035	12,035	316,703	359,775	1,114,795	1,791,273	38,004	68,902	106,906
1984	0	22,453	22,453	334,587	380,914	1,132,448	1,847,949	57,909	105,498	163,407
1985	0	22,001	22,001	381,970	435,728	1,244,939	2,062,637	106,103	192,937	299,040
1986	35,358	21,767	57,125	423,378	485,372	1,330,615	2,239,365	151,206	275,347	426,553
1987	0	22,984	22,984	430,024	493,786	1,304,900	2,228,710	185,355	336,664	522,019
1988	88,878	150,466	239,344	464,114	533,731	1,361,400	2,359,245	239,792	436,607	676,399
1989	102,688	305,328	408,016	513,853	591,760	1,491,833	2,597,446	331,518	602,402	933,920
1990	112,723	355,132	467,855	534,787	616,676	1,537,512	2,688,975	417,802	760,166	1,177,968
1991	129,296	395,515	524,811	603,028	681,067	1,667,194	2,951,289	443,403	806,745	1,250,148
1992	158,879	489,808	648,687	729,545	808,579	1,945,453	3,483,577	506,628	921,780	1,428,408
1993	172,457	530,778	703,235	771,894	840,958	1,990,673	3,603,525	507,825	923,957	1,431,782
1994	177,824	546,610	724,434	778,647	817,579	1,946,615	3,542,841	486,654	885,437	1,372,091
1995	203,738	713,497	917,235	874,946	874,946	2,083,205	3,833,097	520,801	947,567	1,468,368
1996	213,506	774,152	987,658	901,129	860,168	2,048,020	3,809,317	512,005	931,562	1,443,567
1997	250,558	866,141	1,116,699	1,041,633	951,056	2,264,420	4,257,109	566,105	1,029,994	1,596,099
1998	266,952	882,469	1,149,421	1,048,658	957,470	2,279,691	4,285,819	141,683	888,760	1,030,443
1999	290,688	923,459	1,214,147	1,084,480	990,178	2,357,566	4,432,224	589,391	1,072,362	1,661,753
2000	390,936	948,784	1,339,720	1,628,402	1,005,778	2,394,709	5,028,889	598,677	1,089,257	1,687,934
2001	496,412	1,097,880	1,594,292	1,868,283	1,005,998	2,395,234	5,269,515	598,809	1,089,496	1,688,305
2002	512,928	1,125,429	1,638,357	1,896,134	1,020,996	2,430,942	5,348,072	607,736	1,105,738	1,713,474
2003	511,059	1,112,692	1,623,751	1,856,232	999,510	2,379,785	5,235,527	594,946	1,082,469	1,677,415
2004	569,615	1,230,627	1,800,242	2,033,406	1,094,911	2,606,931	5,735,248	651,732	1,185,788	1,837,520
2005	573,729	1,219,893	1,793,622	2,081,144	1,084,212	2,581,456	5,746,812	645,364	1,174,201	1,819,565
2006	606,343	1,272,001	1,878,344	2,167,748	1,129,330	2,688,880	5,985,958	672,220	1,223,064	1,895,284
2007	623,728	1,291,247	1,914,975	2,198,222	1,145,206	2,726,679	6,070,107	681,671	1,240,257	1,921,928
2008	647,091	1,322,240	1,969,331	2,248,610	1,171,457	2,789,182	6,209,249	697,295	1,268,688	1,965,983
2009	717,087	1,446,549	2,163,636	2,457,420	1,280,240	3,048,190	6,785,850	762,047	1,386,499	2,148,546
2010	1,105,529	1,809,450	2,914,979	3,070,686	1,599,732	3,808,886	8,479,304	952,222	1,732,510	2,684,732
2011	1,216,921	1,993,865	3,210,786	3,380,086	1,760,920	4,192,667	9,333,673	1,048,166	1,907,076	2,955,242
2012	1,270,523	2,083,876	3,354,399	3,528,968	1,838,483	4,377,339	9,744,790	1,094,335	1,991,077	3,085,412
2013	1,344,704	2,207,862	3,552,566	3,735,010	1,945,825	4,632,915	10,313,750	1,158,229	2,107,328	3,265,557
2014	1,276,099	2,097,420	3,373,519	3,544,457	1,846,552	4,396,552	9,787,561	1,099,138	1,999,815	3,098,953
2015	1,736,721	2,857,498	4,594,219	4,823,867	2,513,086	5,983,536	13,320,489	1,495,884	2,721,671	4,217,555
2016	2,075,875	3,415,521	5,491,396	5,765,891	3,003,850	7,152,025	15,921,766	1,788,006	3,253,170	5,041,176
2017	1,999,142	3,289,270	5,288,412	5,552,760	2,892,816	6,887,657	15,333,233	1,721,914	3,132,919	4,854,833
<b>2018</b>	<b>2,016,381</b>	<b>3,317,632</b>	<b>5,334,013</b>	<b>5,600,640</b>	<b>2,917,760</b>	<b>6,947,047</b>	<b>15,465,447</b>	<b>1,736,761</b>	<b>3,159,934</b>	<b>4,896,695</b>
2019	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2020	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2021	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2022	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2023	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2024	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2025	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2026	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2027	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2028	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2029	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2030	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2031	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2032	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2033	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2034	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
2035	2,016,381	3,317,632	5,334,013	5,600,640	2,917,760	6,947,047	15,465,447	1,736,761	3,159,934	4,896,695
<b>TOTAL</b>	<b>56,172,845</b>	<b>98,652,757</b>	<b>154,825,602</b>	<b>168,520,204</b>	<b>95,803,604</b>	<b>234,523,907</b>	<b>498,847,715</b>	<b>54,000,903</b>	<b>98,870,203</b>	<b>152,871,106</b>

TABLE B-21 Total Delta Water Charge for Each Contractor (in dollars)

Calendar Year	SAN JOAQUIN VALLEY AREA								
	Dudley Ridge	Empire	Future Contractor San Joaquin Valley	Kern		Kings	Oak Flat	Tulare	Total
				Municipal and Industrial	Agricultural				
	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]
1964	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0
1968	40,695	10,469	0	0	165,522	3,177	8,073	98,608	326,544
1969	61,267	3,281	0	0	337,686	4,200	8,805	102,478	517,717
1970	104,405	19,950	0	0	964,915	8,645	17,290	228,095	1,343,300
1971	129,596	21,720	0	0	1,377,772	9,412	20,272	264,260	1,823,032
1972	160,756	24,113	0	0	2,175,835	11,253	43,131	905,057	3,320,145
1973	195,541	26,664	0	386,638	2,373,167	13,333	27,553	373,307	3,396,203
1974	224,202	27,909	0	446,545	2,781,595	13,954	29,770	445,138	3,969,113
1975	329,688	27,413	0	481,560	3,041,048	14,620	33,702	487,591	4,755,622
1976	414,245	29,388	0	549,549	3,931,785	15,673	35,966	877,151	5,853,757
1977	312,532	28,195	0	569,545	4,071,218	15,977	40,289	626,210	5,663,966
1978	342,208	31,588	0	674,939	4,950,959	20,006	41,065	666,516	6,727,281
1979	395,523	34,294	0	772,757	5,901,986	22,863	45,725	771,613	7,944,761
1980	555,341	37,679	0	881,371	6,984,026	27,272	70,658	933,481	9,489,828
1981	740,789	54,204	0	1,351,487	11,140,730	41,556	77,692	1,373,168	14,779,626
1982	782,396	57,248	0	1,518,993	12,703,436	47,707	85,873	1,530,443	16,726,096
1983	543,462	38,004	0	1,057,789	9,141,315	35,471	58,273	78,506	10,952,820
1984	580,379	13,572	0	1,333,200	9,741,623	39,893	61,770	756,132	12,526,569
1985	667,740	42,441	0	1,540,611	11,403,920	48,100	69,320	644,383	14,416,515
1986	745,447	45,362	0	1,714,679	12,925,113	55,946	77,115	1,469,725	17,033,387
1987	762,180	44,485	0	1,766,065	13,410,817	59,314	77,108	1,503,601	17,623,570
1988	827,669	46,411	0	1,916,790	14,707,763	61,882	83,540	1,633,680	19,277,735
1989	921,621	49,728	0	2,125,033	16,312,361	66,304	92,825	1,821,693	21,389,565
1990	964,288	50,136	0	1,998,766	17,276,959	66,848	95,259	1,980,383	22,432,639
1991	1,023,374	53,208	0	2,121,239	18,335,590	70,944	101,096	2,101,729	23,807,180
1992	1,169,299	60,795	0	2,727,688	20,646,125	81,061	115,511	2,401,419	27,201,898
1993	1,172,060	60,939	0	2,734,129	20,694,874	81,252	115,784	2,407,089	27,266,127
1994	1,123,198	58,398	0	2,156,809	20,295,455	77,865	110,957	2,306,739	26,129,421
1995	1,202,009	62,497	0	2,803,995	21,223,694	83,328	118,743	2,468,598	27,962,864
1996	534,818	69,191	0	2,756,635	19,492,814	81,921	102,219	2,426,904	25,464,502
1997	1,208,521	67,162	0	3,047,908	22,148,973	90,576	129,072	2,683,338	29,375,550
1998	1,216,671	77,807	0	2,726,511	22,070,376	91,188	129,942	2,820,148	29,132,643
1999	1,258,233	69,974	0	2,819,648	22,824,299	94,303	134,381	2,793,715	29,994,553
2000	1,278,056	70,943	0	3,223,279	21,220,235	95,788	136,498	2,837,730	28,862,529
2001	1,278,336	71,058	0	2,864,700	21,110,372	95,809	136,528	2,838,352	28,395,155
2002	1,393,975	72,121	0	3,272,056	21,060,431	97,237	138,564	2,711,156	28,745,540
2003	1,364,640	70,550	0	3,203,191	20,617,243	95,192	135,648	2,654,103	28,140,567
2004	1,494,892	77,810	0	3,508,929	22,585,122	104,277	148,595	2,897,005	30,816,630
2005	1,480,284	77,153	0	3,474,640	22,307,136	232,331	147,143	2,739,621	30,458,308
2006	1,541,884	80,380	0	3,619,232	23,235,418	242,000	153,266	2,587,428	31,459,608
2007	1,563,559	81,479	0	3,670,110	23,562,051	253,717	155,421	2,615,486	31,901,823
2008	1,599,401	83,191	0	3,754,239	24,102,160	259,533	158,984	2,675,439	32,632,947
2009	1,747,923	90,846	0	4,102,863	26,340,321	283,634	173,747	2,923,885	35,663,219
2010	1,917,507	113,466	0	5,126,760	32,304,300	354,417	217,107	3,386,937	43,420,494
2011	2,110,714	123,965	0	5,643,329	35,559,263	390,127	238,982	3,728,203	47,794,583
2012	2,203,684	129,358	0	5,891,899	37,125,531	407,312	249,508	3,892,417	49,899,709
2013	2,332,348	136,898	0	6,235,904	39,293,142	431,093	264,076	4,119,681	52,813,142
2014	2,125,733	129,639	0	5,917,760	37,288,481	409,099	250,603	3,845,708	49,967,023
2015	2,713,534	176,957	0	8,053,840	50,748,164	556,768	341,062	5,233,858	67,824,183
2016	3,243,443	211,761	0	9,626,626	60,658,473	665,496	407,666	6,255,949	81,069,414
2017	3,123,553	203,580	0	9,270,786	58,416,281	640,896	392,596	6,024,702	78,072,394
<b>2018</b>	<b>3,150,486</b>	<b>205,003</b>	<b>0</b>	<b>9,350,725</b>	<b>58,919,991</b>	<b>646,423</b>	<b>395,981</b>	<b>6,076,651</b>	<b>78,745,260</b>
2019	3,150,486	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,745,260
2020	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
2021	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
2022	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
2023	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
2024	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
2025	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
2026	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
2027	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
2028	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
2029	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
2030	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
2031	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
2032	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
2033	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
2034	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
2035	2,872,604	205,003	0	9,350,725	58,919,991	646,423	395,981	6,076,651	78,467,378
<b>TOTAL</b>	<b>107,486,255</b>	<b>7,035,434</b>	<b>0</b>	<b>303,754,072</b>	<b>1,993,647,713</b>	<b>18,706,184</b>	<b>13,232,431</b>	<b>215,668,276</b>	<b>2,659,530,365</b>

**TABLE B-21 Total Delta Water Charge for Each Contractor (in dollars)**

Calendar Year	SOUTHERN CALIFORNIA AREA									
	AVEK	Castaic	Coachella	Crestline	Desert	Littlerock	Mojave	Palmdale	San Bernardino	San Gabriel
	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]
1964	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	0
1968	0	13,060	0	0	0	0	0	0	0	0
1969	0	17,804	0	0	0	0	0	0	0	0
1970	0	37,905	0	0	0	0	0	0	0	0
1971	0	48,508	0	0	0	0	0	0	0	0
1972	160,756	74,751	41,797	4,662	64,303	1,367	67,518	13,021	369,739	85,202
1973	222,207	107,163	51,552	7,279	79,994	2,577	95,104	26,131	54,908	14,338
1974	279,090	143,266	59,539	10,791	93,030	3,721	121,869	39,631	465,150	114,427
1975	319,822	166,307	63,964	13,250	100,515	4,752	140,722	50,989	479,733	119,705
1976	431,018	207,673	74,449	17,045	117,550	6,269	174,366	67,591	538,772	137,142
1977	469,922	226,502	79,144	19,079	122,180	6,861	189,848	77,255	540,410	139,097
1978	600,180	274,819	97,313	24,428	147,413	9,687	236,913	98,345	631,768	165,313
1979	720,173	320,077	115,033	29,836	171,470	11,889	284,640	117,285	714,457	189,760
1980	857,818	376,845	134,920	35,949	210,736	14,256	337,177	138,590	811,952	215,694
1981	1,355,100	592,631	218,713	57,637	343,292	22,946	534,813	211,396	1,237,658	330,644
1982	1,551,434	664,082	254,298	66,408	400,739	26,335	313,057	235,100	1,341,923	364,482
1983	1,110,994	472,521	184,283	47,759	291,367	19,002	434,517	163,925	943,775	252,096
1984	450,405	509,602	202,914	52,247	321,718	20,719	472,282	174,500	1,003,760	266,383
1985	565,881	591,346	240,344	61,540	381,970	24,474	551,734	200,605	1,152,983	308,405
1986	635,066	659,259	275,347	70,160	438,498	27,822	625,994	273,780	1,285,253	350,799
1987	652,450	676,176	288,131	73,104	467,095	29,064	648,002	228,654	1,319,729	364,779
1988	711,641	742,582	319,496	80,756	525,996	32,024	711,641	248,146	1,438,752	402,322
1989	2,083,593	830,453	362,565	91,333	605,021	36,301	803,932	276,155	1,607,864	454,180
1990	2,207,667	869,029	386,049	96,930	636,731	38,438	848,974	289,119	1,696,277	481,308
1991	2,454,678	961,298	409,704	102,869	675,746	40,793	900,994	306,835	1,819,725	510,800
1992	2,804,695	1,098,371	468,125	117,538	772,102	46,610	1,029,469	350,587	2,079,203	583,636
1993	2,811,318	1,100,964	469,230	117,815	773,925	46,720	1,031,900	351,415	2,084,113	585,014
1994	2,694,116	1,055,065	449,668	112,905	741,661	44,772	988,880	336,766	1,997,227	560,625
1995	2,883,156	1,129,097	481,220	120,826	793,702	47,914	1,058,269	360,394	2,137,369	599,963
1996	2,834,460	1,110,027	473,093	118,785	780,296	47,104	1,040,394	354,307	2,101,269	589,830
1997	3,133,957	1,227,316	523,081	131,336	862,744	52,082	1,150,325	391,745	2,323,295	652,153
1998	3,155,093	1,235,593	526,609	132,222	868,562	52,433	1,728,006	394,387	2,338,963	656,551
1999	3,262,870	1,277,800	544,598	136,739	898,233	54,224	1,787,034	407,859	2,418,863	678,979
2000	3,314,278	2,279,763	553,178	138,893	912,384	55,078	1,815,190	510,073	2,456,972	689,676
2001	3,315,004	2,280,263	553,299	138,924	912,584	55,090	1,815,587	510,185	2,457,510	689,827
2002	3,437,351	2,314,256	561,548	140,995	926,188	55,912	1,842,654	517,791	2,494,146	700,112
2003	3,365,016	2,265,555	549,731	138,028	906,698	54,735	1,803,877	506,894	2,441,659	685,379
2004	3,686,201	2,481,798	602,201	151,202	993,241	59,960	1,976,053	555,277	2,674,711	750,797
2005	3,650,179	2,457,547	596,316	149,725	983,535	59,374	1,956,744	549,850	2,648,574	743,459
2006	3,802,076	2,559,814	3,256,234	155,955	1,344,440	61,844	2,038,171	572,732	2,758,791	774,397
2007	3,855,524	2,595,798	3,302,008	158,148	1,363,339	62,714	2,066,822	580,783	2,797,573	785,284
2008	3,943,904	2,655,301	3,377,700	161,772	1,394,591	64,151	2,114,200	594,096	2,861,701	803,284
2009	4,310,140	2,901,877	3,691,358	176,795	1,524,095	70,109	2,310,528	649,264	3,127,443	877,878
2010	5,385,764	3,626,059	5,269,593	220,916	2,123,453	87,605	3,153,757	811,293	3,907,916	1,096,959
2011	5,928,431	3,991,418	5,800,554	243,174	2,337,412	96,432	3,471,528	893,038	4,301,676	1,207,488
2012	6,189,558	4,167,227	6,056,050	253,886	2,440,367	100,679	3,624,437	932,373	4,491,150	1,260,674
2013	6,550,942	4,410,535	6,409,638	268,709	2,582,850	106,557	3,836,054	986,811	4,753,371	1,334,279
2014	6,368,143	4,185,518	6,082,630	255,000	2,451,078	101,120	3,640,346	936,466	4,510,863	1,266,208
2015	8,666,793	5,696,327	8,278,222	347,045	3,335,822	137,621	5,133,874	1,274,493	6,139,108	1,723,258
2016	10,359,280	6,808,728	9,894,827	414,817	3,987,255	164,497	6,136,437	1,523,381	7,337,978	2,059,784
2017	9,976,357	6,557,049	9,529,073	399,484	3,839,869	158,416	5,909,610	1,467,071	7,066,735	1,983,645
<b>2018</b>	<b>10,062,381</b>	<b>6,613,589</b>	<b>9,611,239</b>	<b>402,928</b>	<b>3,872,979</b>	<b>159,782</b>	<b>5,960,566</b>	<b>1,479,721</b>	<b>7,127,671</b>	<b>2,000,749</b>
2019	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	5,960,566	1,479,721	7,127,671	2,000,749
2020	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
2021	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
2022	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
2023	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
2024	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
2025	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
2026	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
2027	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
2028	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
2029	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
2030	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
2031	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
2032	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
2033	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
2034	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
2035	10,062,381	6,613,589	9,611,239	402,928	3,872,979	159,782	6,238,448	1,479,721	7,127,671	2,000,749
<b>TOTAL</b>	<b>318,647,359</b>	<b>202,097,327</b>	<b>255,161,641</b>	<b>13,117,400</b>	<b>116,759,412</b>	<b>5,199,126</b>	<b>184,690,543</b>	<b>47,141,367</b>	<b>234,460,845</b>	<b>65,619,407</b>

**TABLE B-21 Total Delta Water Charge for Each Contractor (in dollars)**

Sheet 4 of 4

Calendar Year	SOUTHERN CALIFORNIA AREA (continued)				FEATHER RIVER AREA				South Bay Area Future Contractor	Grand Total
	San Gorgonio	Metropolitan	Ventura	Total	Yuba City	Butte	Plumas	Total		
1964	[30]	[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]
1964	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0	0	241,150
1968	0	0	0	13,060	0	1,050	875	1,925	0	583,631
1969	0	0	0	17,804	0	1,225	929	2,154	0	827,578
1970	0	0	0	37,905	0	3,848	1,995	5,843	0	2,160,886
1971	0	0	0	48,508	0	4,546	3,186	7,732	0	2,696,792
1972	0	2,043,211	0	2,926,327	0	4,929	3,778	8,707	0	7,206,052
1973	0	2,317,893	0	2,979,146	0	7,059	4,444	11,503	0	7,456,998
1974	0	4,231,933	0	5,562,447	0	8,336	4,931	13,267	0	10,683,514
1975	0	5,073,286	0	6,533,045	0	9,416	5,117	14,533	0	12,440,851
1976	0	6,422,167	0	8,194,042	0	7,004	5,780	12,784	0	15,299,760
1977	0	7,104,278	0	8,974,576	0	16,917	5,827	22,744	0	15,869,924
1978	0	9,016,389	0	11,302,568	0	12,635	6,844	19,479	0	19,425,531
1979	0	10,935,192	0	13,609,812	0	16,575	7,773	24,348	0	23,095,855
1980	84,294	13,102,796	12,396	16,333,423	0	19,834	8,801	28,635	0	27,557,096
1981	140,930	20,910,099	36,136	25,991,995	0	21,682	13,370	35,052	0	43,335,911
1982	167,929	23,998,560	57,248	29,441,595	0	16,117	14,694	30,811	0	49,027,703
1983	124,148	17,203,307	50,672	21,298,366	0	15,202	10,134	25,336	0	34,186,736
1984	138,982	18,766,458	64,344	22,444,314	20,590	15,442	10,681	46,713	0	37,051,405
1985	166,935	22,050,974	84,882	26,382,073	24,050	16,976	12,166	53,192	0	43,235,458
1986	195,056	25,089,658	120,965	29,997,662	31,753	18,145	13,457	63,355	0	49,817,447
1987	207,598	26,095,043	148,284	31,198,109	37,071	17,794	13,642	68,507	0	51,663,899
1988	233,604	28,781,238	201,116	34,429,224	46,722	18,565	14,852	80,139	0	57,062,086
1989	268,530	32,505,376	265,215	40,190,518	61,184	19,891	16,576	97,651	0	65,617,116
1990	289,119	33,616,369	334,242	41,790,252	63,506	20,055	17,381	100,942	0	68,658,631
1991	306,835	35,676,185	354,722	44,521,184	170,267	21,283	19,155	210,705	0	73,265,317
1992	350,587	40,763,329	405,303	50,869,555	194,545	24,318	22,697	241,560	0	83,873,685
1993	351,415	40,859,579	406,260	50,989,668	195,005	24,376	23,563	242,944	0	84,237,281
1994	336,766	39,156,173	389,323	48,863,947	186,875	23,360	23,360	233,595	0	80,866,329
1995	360,394	41,903,674	416,641	52,292,619	199,987	24,999	26,040	251,026	0	86,725,209
1996	0	41,195,923	409,604	51,055,092	196,610	24,576	26,624	247,810	0	83,007,946
1997	0	45,548,810	447,746	56,444,590	214,918	27,173	30,223	272,314	0	93,062,361
1998	0	45,855,992	450,529	57,394,940	107,459	27,356	31,537	166,352	0	93,159,618
1999	47,152	47,422,430	466,491	59,403,272	226,327	28,291	33,820	288,438	0	96,994,387
2000	71,841	48,169,576	478,942	61,445,844	229,892	69,207	35,708	334,807	0	98,699,723
2001	95,809	48,180,135	479,047	61,483,264	229,942	83,833	37,187	350,962	0	98,781,493
2002	97,237	48,898,394	486,188	62,472,772	233,371	85,083	39,185	357,639	0	100,275,854
2003	118,989	47,869,376	475,957	61,181,894	228,460	83,293	39,743	351,496	0	98,210,650
2004	156,416	52,438,419	521,386	67,047,662	250,266	92,048	0	342,314	0	107,579,616
2005	167,795	51,925,988	516,291	66,405,377	247,820	717,290	0	965,110	0	107,188,794
2006	188,222	51,397,939	537,776	69,448,391	258,133	32,606	8,699	299,438	0	110,967,023
2007	204,501	52,120,469	545,336	70,438,299	268,738	33,950	19,600	322,288	0	112,569,420
2008	482,528	53,315,217	557,837	72,326,282	274,736	794,785	56,138	1,125,659	0	116,229,451
2009	527,337	58,266,144	609,638	79,042,606	292,626	844,842	63,417	1,200,885	0	127,004,742
2010	658,937	72,806,845	761,778	99,910,875	365,653	1,054,033	81,825	1,501,511	0	158,911,895
2011	725,331	80,142,822	838,533	109,977,837	414,001	1,185,940	92,561	1,692,502	0	174,964,623
2012	757,280	83,672,846	875,468	114,821,995	424,826	1,216,951	100,037	1,741,814	0	182,648,119
2013	801,494	88,558,170	926,583	121,525,993	444,760	1,274,052	109,975	1,828,787	0	193,299,795
2014	760,603	84,040,101	879,310	115,477,386	431,273	1,235,416	108,033	1,774,722	0	183,479,164
2015	1,035,151	114,375,290	1,196,707	157,339,711	574,420	1,645,472	153,363	2,373,255	0	249,669,412
2016	1,237,301	136,710,965	1,430,405	188,065,655	686,595	1,966,807	190,584	2,843,986	0	298,433,393
2017	1,191,565	131,657,554	1,377,531	181,113,959	703,970	2,016,581	183,222	2,903,773	0	287,566,604
<b>2018</b>	<b>1,201,839</b>	<b>132,792,806</b>	<b>1,389,410</b>	<b>182,675,660</b>	<b>671,729</b>	<b>1,924,226</b>	<b>184,502</b>	<b>2,780,457</b>	<b>0</b>	<b>289,897,532</b>
2019	1,201,839	132,792,806	1,389,410	182,675,660	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2020	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2021	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2022	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2023	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2024	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2025	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2026	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2027	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2028	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2029	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2030	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2031	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2032	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2033	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2034	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
2035	1,201,839	132,792,806	1,389,410	182,953,542	671,729	1,924,226	184,502	2,780,457	0	289,897,532
<b>TOTAL</b>	<b>34,681,713</b>	<b>4,382,463,080</b>	<b>43,626,212</b>	<b>5,903,665,432</b>	<b>20,627,473</b>	<b>49,587,232</b>	<b>5,074,565</b>	<b>75,289,270</b>	<b>0</b>	<b>9,445,029,490</b>

**TABLE B-22 Water System Revenue Bond Surcharge for Each Contractor<sup>a</sup> (in dollars)**

Calendar Year	NORTH BAY AREA			SOUTH BAY AREA				CENTRAL COASTAL AREA		
	Napa	Solano	Total	Alameda-Zone 7	Alameda County	Santa Clara	Total	San Luis Obispo	Santa Barbara	Total
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]
1971	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0
1988	29,131	40,505	69,636	25,436	30,176	100,035	155,647	13,126	24,392	37,518
1989	48,804	69,621	118,425	43,343	51,681	170,303	265,327	26,828	49,634	76,462
1990	41,166	60,482	101,648	38,407	51,185	149,440	239,032	27,956	51,795	79,751
1991	63,389	92,401	155,790	62,470	81,991	235,712	380,173	44,887	83,709	128,596
1992	84,320	126,227	210,547	89,247	115,208	325,629	530,084	61,137	113,925	175,062
1993	90,152	137,473	227,625	98,432	125,174	347,457	571,063	67,725	126,662	194,387
1994	91,785	141,222	233,007	102,021	126,216	352,415	580,652	81,420	159,156	240,576
1995	108,311	181,787	290,098	126,001	149,377	416,956	692,334	131,675	270,726	402,401
1996	132,305	232,343	364,648	158,514	180,787	505,042	844,343	242,654	534,449	777,103
1997	135,556	237,492	373,048	171,263	187,162	522,127	880,552	141,810	846,617	988,427
1998	130,346	228,366	358,712	164,682	179,971	502,065	846,718	136,361	814,087	950,448
1999	182,507	316,416	498,923	227,072	248,031	691,830	1,166,933	188,835	1,124,110	1,312,945
2000	238,571	364,418	602,989	260,766	284,875	794,730	1,340,371	218,359	1,364,019	1,582,378
2001	234,773	358,616	593,389	561,965	280,341	782,078	1,624,384	214,883	1,342,304	1,557,187
2002	257,520	391,851	649,371	610,230	288,977	806,174	1,705,381	221,503	1,383,661	1,605,164
2003	268,151	408,027	676,178	635,422	300,907	839,455	1,775,784	230,647	1,440,782	1,671,429
2004	268,425	408,444	676,869	636,070	301,214	840,312	1,777,596	230,883	1,442,252	1,673,135
2005	253,413	385,602	639,015	610,756	284,369	793,318	1,688,443	217,970	1,361,594	1,579,564
2006	274,219	417,261	691,480	660,900	307,716	858,451	1,827,067	235,866	1,473,385	1,709,251
2007	177,891	270,066	447,957	441,730	197,505	550,975	1,190,210	152,478	975,872	1,128,350
2008	254,590	386,862	641,452	773,686	288,283	803,089	1,865,058	223,659	1,369,892	1,593,551
2009	285,324	434,158	719,482	687,665	320,178	893,215	1,901,058	245,418	1,533,052	1,778,470
2010	273,015	415,428	688,443	657,998	306,365	854,681	1,819,044	234,831	1,466,914	1,701,745
2011	294,866	448,677	743,543	710,662	330,884	923,085	1,964,631	253,625	1,584,318	1,837,943
2012	383,092	455,983	839,075	753,264	330,355	933,048	2,016,667	229,311	1,456,050	1,685,361
2013	416,223	495,679	911,902	820,192	360,039	1,013,496	2,193,727	249,613	1,583,700	1,833,313
2014	454,438	541,511	995,949	894,353	392,064	1,103,675	2,390,092	271,760	1,722,805	1,994,565
2015	436,482	520,709	957,191	854,027	375,378	1,053,325	2,282,730	260,767	1,649,215	1,909,982
2016	435,356	520,887	956,243	851,748	374,332	1,047,728	2,273,808	260,376	1,644,453	1,904,829
2017	825,082	988,823	1,813,905	1,735,420	711,139	1,988,098	4,434,657	494,547	3,122,046	3,616,593
<b>2018</b>	<b>776,986</b>	<b>934,577</b>	<b>1,711,563</b>	<b>1,522,713</b>	<b>669,079</b>	<b>1,869,953</b>	<b>4,061,745</b>	<b>465,832</b>	<b>2,954,217</b>	<b>3,420,049</b>
2019	888,462	1,068,663	1,957,125	1,741,181	765,074	2,138,241	4,644,496	532,666	3,378,067	3,910,733
2020	870,981	1,047,637	1,918,618	1,706,922	750,020	2,096,169	4,553,111	522,186	3,311,600	3,833,786
2021	892,387	1,073,384	1,965,771	1,748,872	768,453	2,147,686	4,665,011	535,019	3,392,989	3,928,008
2022	867,576	1,043,541	1,911,117	1,700,248	747,088	2,087,974	4,535,310	520,144	3,298,654	3,818,798
2023	876,191	1,053,903	1,930,094	1,717,132	754,507	2,108,708	4,580,347	525,309	3,331,410	3,856,719
2024	856,548	1,030,277	1,886,825	1,678,637	737,592	2,061,434	4,477,663	513,533	3,256,725	3,770,258
2025	814,512	979,714	1,794,226	1,596,255	701,393	1,960,266	4,257,914	488,330	3,096,897	3,585,227
2026	773,943	930,917	1,704,860	1,516,749	666,459	1,862,629	4,045,837	464,008	2,942,647	3,406,655
2027	818,097	984,026	1,802,123	1,603,281	704,481	1,968,894	4,276,656	490,480	3,110,527	3,601,007
2028	704,475	847,359	1,551,834	1,380,609	606,638	1,695,443	3,682,690	422,359	2,678,520	3,100,879
2029	733,798	882,630	1,616,428	1,438,075	631,889	1,766,014	3,835,978	439,939	2,790,010	3,229,949
2030	549,623	661,099	1,210,722	1,077,133	473,292	1,322,763	2,873,188	329,519	2,089,748	2,419,267
2031	549,561	661,025	1,210,586	1,077,012	473,238	1,322,615	2,872,865	329,482	2,089,513	2,418,995
2032	549,916	661,451	1,211,367	1,077,708	473,544	1,323,468	2,874,720	329,695	2,090,861	2,420,556
2033	549,878	661,406	1,211,284	1,077,634	473,512	1,323,378	2,874,524	329,672	2,090,719	2,420,391
2034	549,894	661,426	1,211,320	1,077,666	473,526	1,323,417	2,874,609	329,682	2,090,780	2,420,462
2035	549,784	661,293	1,211,077	1,077,450	473,431	1,323,152	2,874,033	329,616	2,090,361	2,419,977
<b>TOTAL</b>	<b>20,341,815</b>	<b>25,921,665</b>	<b>46,263,480</b>	<b>40,279,019</b>	<b>18,905,096</b>	<b>52,900,148</b>	<b>112,084,263</b>	<b>13,508,381</b>	<b>82,199,821</b>	<b>95,708,202</b>

<sup>a</sup> 1988 through 2016 charges are debt service only and do not include bond cover; 2017 charges and after include bond cover.



**TABLE B-22 Water System Revenue Bond Surcharge for Each Contractor<sup>a</sup> (in dollars)**

Sheet 2 of 4

Calendar Year	SAN JOAQUIN VALLEY AREA								
	Dudley Ridge	Empire	Future Contractor San Joaquin Valley	Kern		Kings	Oak Flat	Tulare	Total
				Municipal and Industrial	Agricultural				
	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]
1971	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0
1988	33,986	1,657	0	67,288	726,501	2,228	2,851	66,748	901,259
1989	59,273	2,785	0	116,689	1,251,452	3,733	4,927	116,736	1,555,595
1990	53,349	2,419	0	287,811	947,351	3,248	4,367	109,118	1,407,663
1991	82,252	3,731	0	359,380	1,564,983	5,035	6,771	168,217	2,190,369
1992	112,566	5,127	0	452,691	2,153,423	6,927	9,285	230,217	2,970,236
1993	119,670	5,459	0	272,449	2,491,672	7,381	9,894	244,813	3,151,338
1994	118,265	5,379	0	244,671	2,485,820	7,300	9,766	241,933	3,113,134
1995	139,226	6,340	0	317,885	2,894,181	8,599	11,490	284,798	3,662,519
1996	169,333	7,703	0	354,341	2,722,240	10,461	13,978	346,367	3,624,423
1997	165,364	7,980	0	366,285	2,673,847	10,826	14,465	357,986	3,596,753
1998	159,011	7,672	0	352,211	2,571,110	10,410	13,909	344,232	3,458,555
1999	218,784	10,373	0	485,897	3,371,115	14,376	19,166	476,017	4,595,728
2000	251,339	11,735	0	557,296	3,620,348	16,500	21,990	546,406	5,025,614
2001	247,338	11,547	0	548,424	3,461,158	16,238	21,640	537,707	4,844,052
2002	273,542	11,904	0	565,321	3,496,023	16,737	22,306	521,659	4,907,492
2003	284,834	12,395	0	588,659	3,640,346	17,428	23,227	543,193	5,110,082
2004	285,125	12,408	0	589,259	3,644,059	17,446	23,251	543,748	5,115,296
2005	269,179	11,714	0	556,305	3,431,851	39,485	21,951	488,483	4,818,968
2006	291,279	12,676	0	601,979	3,713,614	42,726	23,753	528,589	5,214,616
2007	187,144	8,113	0	383,463	2,314,841	34,088	15,230	285,915	3,228,794
2008	271,383	11,832	0	563,171	3,478,837	41,080	22,094	445,805	4,834,202
2009	303,076	13,189	0	626,357	3,864,004	46,037	24,715	497,108	5,374,486
2010	257,209	12,620	0	599,335	3,631,924	44,051	23,648	440,950	5,009,737
2011	277,794	13,630	0	647,304	3,922,606	47,577	25,542	476,242	5,410,695
2012	271,192	12,709	0	666,489	5,450,478	40,125	23,964	510,822	6,975,779
2013	286,050	13,814	0	724,170	5,680,875	43,592	26,041	521,112	7,295,654
2014	302,692	15,056	0	790,204	6,189,586	47,573	28,404	561,312	7,934,827
2015	278,438	14,506	0	758,484	5,949,402	45,814	27,366	540,099	7,614,109
2016	278,950	14,593	0	759,888	5,962,338	46,008	27,523	541,874	7,631,174
2017	531,373	27,824	0	1,443,220	11,382,800	88,473	52,401	1,042,586	14,568,677
<b>2018</b>	<b>500,847</b>	<b>26,202</b>	<b>0</b>	<b>1,357,207</b>	<b>10,705,138</b>	<b>82,310</b>	<b>49,399</b>	<b>973,302</b>	<b>13,694,405</b>
2019	572,705	29,961	0	1,551,929	12,241,035	94,119	56,486	1,112,944	15,659,179
2020	561,436	29,372	0	1,521,394	12,000,181	92,267	55,375	1,091,046	15,351,071
2021	575,235	30,094	0	1,558,785	12,295,108	94,535	56,736	1,117,861	15,728,354
2022	559,242	29,257	0	1,515,446	11,953,267	91,907	55,159	1,086,781	15,291,059
2023	564,795	29,547	0	1,530,494	12,071,964	92,819	55,706	1,097,573	15,442,898
2024	552,133	28,885	0	1,496,183	11,801,332	90,738	54,457	1,072,967	15,096,695
2025	525,036	27,467	0	1,422,756	11,222,164	86,285	51,785	1,020,310	14,355,803
2026	498,885	26,099	0	1,351,892	10,663,212	81,988	49,206	969,490	13,640,772
2027	527,347	27,588	0	1,429,018	11,271,557	86,665	52,013	1,024,800	14,418,988
2028	454,106	23,757	0	1,230,548	9,706,101	74,629	44,789	882,470	12,416,400
2029	473,008	24,746	0	1,281,768	10,110,104	77,735	46,653	919,202	12,933,216
2030	354,288	18,535	0	960,058	7,572,578	58,224	34,944	688,492	9,687,119
2031	354,248	18,533	0	959,950	7,571,726	58,218	34,940	688,415	9,686,030
2032	354,477	18,545	0	960,570	7,576,613	58,255	34,962	688,859	9,692,281
2033	354,453	18,543	0	960,504	7,576,096	58,251	34,960	688,812	9,691,619
2034	354,463	18,544	0	960,533	7,576,320	58,253	34,961	688,833	9,691,907
2035	354,392	18,540	0	960,340	7,574,801	58,241	34,954	688,694	9,689,962
<b>TOTAL</b>	<b>15,070,112</b>	<b>753,105</b>	<b>0</b>	<b>38,656,301</b>	<b>290,178,082</b>	<b>2,176,941</b>	<b>1,413,400</b>	<b>29,061,643</b>	<b>377,309,584</b>

<sup>a</sup> 1988 through 2016 charges are debt service only and do not include bond cover; 2017 charges and after include bond cover.

**TABLE B-22 Water System Revenue Bond Surcharge for Each Contractor<sup>a</sup> (in dollars)**

Calendar Year	SOUTHERN CALIFORNIA AREA									
	AVEK	Castaic Lake	Coachella	Crestline	Desert	Littlerock	Mojave	Palmdale	San Bernardino	San Gabriel
	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]
1971	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0
1988	64,266	57,111	27,032	7,656	44,492	2,154	55,996	16,240	151,182	39,907
1989	205,668	98,720	46,993	13,263	78,104	3,763	97,138	27,981	259,860	69,104
1990	185,010	87,808	42,449	11,905	69,970	3,385	87,327	24,956	231,650	61,851
1991	296,854	140,371	65,947	18,548	108,704	5,236	135,623	38,641	363,310	96,172
1992	402,015	234,421	89,358	25,192	147,297	7,053	183,813	52,160	491,537	130,372
1993	424,871	247,076	93,981	26,566	154,919	7,437	193,361	55,045	517,379	137,298
1994	424,023	247,222	94,502	26,865	155,776	7,431	194,191	54,968	525,394	139,422
1995	500,084	290,998	111,730	31,822	184,170	8,769	229,530	64,852	623,848	165,593
1996	606,388	353,132	135,428	38,634	223,237	10,640	278,178	78,696	760,333	201,821
1997	626,151	362,776	139,565	39,802	230,058	10,972	286,779	81,146	808,482	207,472
1998	602,091	348,838	134,202	38,273	221,218	10,550	275,761	78,028	777,418	199,501
1999	826,108	479,470	184,524	52,650	304,166	14,475	642,815	107,060	1,041,566	277,200
2000	940,325	1,150,965	210,453	60,212	346,906	16,486	736,157	121,898	1,191,538	316,860
2001	925,355	1,132,642	207,102	59,254	341,384	16,224	724,438	135,581	1,172,568	311,816
2002	974,814	1,167,539	213,483	61,079	351,902	16,724	746,758	139,071	1,208,696	321,423
2003	1,015,056	1,215,738	222,296	63,601	366,429	17,415	777,586	144,812	1,258,593	334,692
2004	1,016,092	1,216,978	222,523	63,666	366,803	17,432	778,379	144,960	1,259,877	335,033
2005	959,268	1,148,920	210,078	60,105	346,290	16,457	734,849	136,853	1,189,420	316,297
2006	1,038,026	1,243,248	1,213,645	65,040	501,286	17,809	795,182	148,089	1,287,074	342,266
2007	666,215	820,799	1,036,396	41,723	354,543	11,413	520,847	95,550	825,932	219,727
2008	999,433	1,167,531	1,157,440	61,924	478,719	17,175	757,686	144,009	1,367,672	325,069
2009	1,080,062	1,293,596	1,262,793	67,674	521,586	18,529	827,383	154,087	1,339,196	356,126
2010	1,033,467	1,237,788	1,283,384	64,754	524,108	17,731	824,481	147,438	1,281,421	340,762
2011	1,116,181	1,336,855	1,386,101	69,937	566,054	19,149	890,469	159,239	1,383,979	368,035
2012	1,090,934	915,850	1,073,158	67,263	523,945	18,453	731,452	154,732	1,323,822	351,925
2013	1,186,869	996,745	1,172,413	73,154	570,092	20,052	795,549	168,130	1,438,513	382,372
2014	1,345,233	1,085,473	1,276,763	79,660	621,395	21,838	866,523	183,142	1,568,301	416,868
2015	1,288,246	1,039,717	1,228,651	76,255	595,985	20,924	868,542	175,577	1,500,551	398,955
2016	1,287,598	1,037,955	1,232,122	76,009	595,354	20,895	867,266	175,457	1,495,424	397,690
2017	2,441,561	1,968,931	2,487,883	144,061	1,130,096	39,617	1,645,505	332,754	2,834,899	753,972
<b>2018</b>	<b>2,295,675</b>	<b>1,849,307</b>	<b>2,219,292</b>	<b>135,462</b>	<b>1,064,379</b>	<b>37,239</b>	<b>1,548,497</b>	<b>312,825</b>	<b>2,664,966</b>	<b>708,792</b>
2019	2,625,042	2,114,632	2,537,700	154,897	1,217,089	42,582	1,770,664	357,707	3,047,316	810,484
2020	2,573,392	2,073,025	2,487,769	151,849	1,193,141	41,744	1,735,825	350,669	2,987,358	794,537
2021	2,636,638	2,123,973	2,548,910	155,581	1,222,465	42,770	1,778,486	359,287	3,060,777	814,065
2022	2,563,331	2,064,921	2,478,043	151,256	1,188,477	41,581	1,729,039	349,298	2,975,679	791,431
2023	2,588,786	2,085,426	2,502,650	152,758	1,200,278	41,994	1,746,208	352,766	3,005,227	799,290
2024	2,530,749	2,038,674	2,446,545	149,333	1,173,370	41,052	1,707,061	344,858	2,937,855	781,371
2025	2,406,549	1,938,623	2,326,477	142,004	1,115,785	39,038	1,623,285	327,933	2,793,676	743,025
2026	2,286,684	1,842,064	2,210,600	134,931	1,060,210	37,093	1,542,432	311,600	2,654,529	706,016
2027	2,417,141	1,947,156	2,336,717	142,629	1,120,696	39,209	1,630,429	329,377	2,805,972	746,295
2028	2,081,435	1,676,724	2,012,181	122,820	965,048	33,764	1,403,986	283,631	2,416,263	642,645
2029	2,168,072	1,746,515	2,095,935	127,932	1,005,217	35,169	1,462,425	295,437	2,516,837	669,395
2030	1,623,910	1,308,159	1,569,878	95,823	752,918	26,342	1,095,373	221,285	1,885,138	501,384
2031	1,623,727	1,308,012	1,569,701	95,812	752,833	26,339	1,095,249	221,261	1,884,926	501,327
2032	1,624,775	1,308,856	1,570,715	95,874	753,319	26,356	1,095,956	221,403	1,886,143	501,651
2033	1,624,664	1,308,767	1,570,607	95,867	753,268	26,354	1,095,881	221,388	1,886,014	501,617
2034	1,624,712	1,308,805	1,570,654	95,870	753,290	26,355	1,095,914	221,395	1,886,070	501,632
2035	1,624,386	1,308,543	1,570,339	95,851	753,139	26,350	1,095,694	221,350	1,885,691	501,531
<b>TOTAL</b>	<b>64,487,932</b>	<b>55,477,395</b>	<b>55,887,108</b>	<b>3,883,096</b>	<b>29,069,910</b>	<b>1,067,519</b>	<b>43,801,968</b>	<b>8,844,622</b>	<b>76,659,872</b>	<b>20,332,089</b>

<sup>a</sup> 1988 through 2016 charges are debt service only and do not include bond cover; 2017 charges and after include bond cover.

TABLE B-22 Water System Revenue Bond Surcharge for Each Contractor<sup>a</sup> (in dollars)

Sheet 4 of 4

Calendar Year	SOUTHERN CALIFORNIA AREA (continued)				FEATHER RIVER AREA				South Bay Area Future Contractor	Grand Total
	San Gorgonio	Metropolitan	Ventura	Total	Yuba City	Butte	Plumas	Total		
	[30]	[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]
1971	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0
1988	24,019	2,642,354	18,118	3,150,527	1,336	552	853	2,741	0	4,317,328
1989	42,040	4,587,641	34,565	5,564,840	0	918	1,454	2,372	0	7,583,021
1990	38,023	4,037,980	34,994	4,917,308	2,535	800	1,283	4,618	0	6,750,020
1991	59,122	6,259,893	54,115	7,642,536	9,945	1,243	2,027	13,215	0	10,510,679
1992	80,131	8,435,312	72,892	10,351,553	13,671	1,710	2,806	18,187	0	14,255,669
1993	84,371	8,885,273	76,858	10,904,435	14,608	1,827	3,026	19,461	0	15,068,309
1994	85,698	8,926,755	76,794	10,959,041	14,409	1,801	3,070	19,280	0	15,145,690
1995	101,792	10,539,430	90,436	12,943,054	16,958	2,119	3,705	22,782	0	18,013,188
1996	124,074	12,810,359	109,783	15,730,703	20,640	2,579	4,620	27,839	0	21,369,059
1997	28,259	13,168,230	112,960	16,102,652	21,382	2,674	4,872	28,928	0	21,970,360
1998	27,174	12,662,268	108,619	15,483,941	20,562	2,571	4,685	27,818	0	21,126,192
1999	53,545	17,454,651	149,123	21,587,353	28,348	3,543	6,765	38,656	0	29,200,538
2000	70,117	19,805,800	168,259	25,135,976	32,271	9,794	7,996	50,061	0	33,737,389
2001	69,001	19,490,499	165,580	24,751,444	31,757	9,638	7,869	49,264	0	33,419,720
2002	71,126	20,091,004	170,682	25,534,301	32,736	9,935	8,112	50,783	0	34,452,492
2003	74,063	20,920,403	177,728	26,588,412	34,087	10,345	8,446	52,878	0	35,874,763
2004	74,138	20,941,743	177,910	26,615,534	34,121	10,356	8,456	52,933	0	35,911,363
2005	69,992	19,770,593	167,960	25,127,082	32,213	9,776	7,983	49,972	0	33,903,044
2006	75,738	20,330,228	181,750	27,239,381	34,858	10,579	8,638	54,075	0	36,735,870
2007	45,192	12,752,863	116,415	17,507,615	22,362	7,007	5,579	34,948	0	23,537,874
2008	250,631	19,303,204	173,561	26,204,054	32,180	9,751	7,973	49,904	0	35,188,221
2009	78,805	21,153,536	189,110	28,342,483	36,270	11,008	8,988	56,266	0	38,172,245
2010	75,405	20,240,944	180,952	27,252,635	34,705	10,532	8,600	53,837	0	36,525,441
2011	81,440	21,860,932	195,434	29,433,805	37,482	11,375	9,289	58,146	0	39,448,763
2012	215,055	22,686,017	191,051	29,343,657	35,313	101,156	12,344	148,813	0	41,009,352
2013	233,662	23,602,562	207,636	30,847,749	38,359	109,882	13,628	161,869	0	43,244,214
2014	254,740	25,718,327	226,122	33,664,385	41,861	119,916	15,370	177,147	0	47,156,965
2015	243,775	24,614,514	216,476	32,268,168	40,374	115,656	15,317	171,347	0	45,203,527
2016	242,979	24,546,439	215,981	32,191,169	40,634	116,401	15,914	172,949	0	45,130,172
2017	460,639	46,536,525	409,305	61,185,748	77,392	221,697	30,266	329,355	0	85,948,935
<b>2018</b>	<b>433,001</b>	<b>43,719,334</b>	<b>384,082</b>	<b>57,372,851</b>	<b>72,958</b>	<b>208,994</b>	<b>28,526</b>	<b>310,478</b>	<b>0</b>	<b>80,571,091</b>
2019	495,125	49,991,879	439,187	65,604,304	83,425	238,979	32,619	355,023	0	92,130,860
2020	485,383	49,008,237	430,546	64,313,475	81,784	234,277	31,977	348,038	0	90,318,099
2021	497,312	50,212,703	441,127	65,894,094	83,794	240,035	32,763	356,592	0	92,537,830
2022	483,485	48,816,634	428,863	64,062,038	81,464	233,361	31,852	346,677	0	89,964,999
2023	488,286	49,301,399	433,121	64,698,189	82,273	235,678	32,168	350,119	0	90,858,366
2024	477,340	48,196,144	423,412	63,247,764	80,429	230,395	31,447	342,271	0	88,821,476
2025	453,914	45,830,845	402,632	60,143,786	76,482	219,088	29,904	325,474	0	84,462,430
2026	431,305	43,548,112	382,578	57,148,154	72,672	208,175	28,414	309,261	0	80,255,539
2027	455,911	46,032,568	404,404	60,408,504	76,818	220,052	30,035	326,905	0	84,834,183
2028	392,592	39,639,311	348,238	52,018,638	66,149	189,490	25,864	281,503	0	73,051,944
2029	408,933	41,289,239	362,733	54,183,839	68,903	197,377	26,940	293,220	0	76,092,630
2030	306,295	30,926,089	271,691	40,584,285	51,609	147,838	20,179	219,626	0	56,994,207
2031	306,261	30,922,609	271,661	40,579,718	51,603	147,821	20,176	219,600	0	56,987,794
2032	306,459	30,942,572	271,836	40,605,915	51,636	147,917	20,189	219,742	0	57,024,581
2033	306,438	30,940,458	271,817	40,603,140	51,633	147,906	20,188	219,727	0	57,020,685
2034	306,447	30,941,371	271,825	40,604,340	51,634	147,911	20,189	219,734	0	57,022,372
2035	306,385	30,935,169	271,771	40,596,199	51,624	147,881	20,185	219,690	0	57,010,938
<b>TOTAL</b>	<b>10,775,618</b>	<b>1,255,970,952</b>	<b>10,982,693</b>	<b>1,637,240,774</b>	<b>2,070,259</b>	<b>4,470,316</b>	<b>723,549</b>	<b>7,264,124</b>	<b>0</b>	<b>2,275,870,427</b>

<sup>a</sup> 1988 through 2016 charges are debt service only and do not include bond cover; 2017 charges and after include bond cover.

**TABLE B-23 Total Transportation and Delta Water Charge for Each Contractor<sup>a</sup> (in dollars)**

Sheet 1 of 4

Calendar Year	NORTH BAY AREA			SOUTH BAY AREA				CENTRAL COASTAL AREA		
	Napa	Solano	Total	Alameda-Zone 7	Alameda County	Santa Clara	Total	San Luis Obispo	Santa Barbara	Total
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]
1961	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	11,750	43,787	21,132	76,669	0	0	0
1963	0	0	0	199,726	190,272	447,723	837,721	0	0	0
1964	0	0	0	263,282	277,455	621,356	1,162,093	6,696	21,667	28,363
1965	0	0	0	373,816	404,324	1,158,090	1,936,230	13,756	36,029	49,785
1966	18,063	0	18,063	419,468	421,723	1,412,954	2,254,144	26,524	61,349	87,873
1967	41,574	0	41,574	553,115	548,491	1,863,198	2,964,805	56,469	118,263	174,731
1968	128,628	0	128,628	683,119	633,184	2,178,465	3,494,768	115,961	229,807	345,768
1969	254,715	0	254,715	817,953	583,436	2,298,736	3,700,126	185,156	358,861	544,017
1970	277,547	0	277,547	904,362	640,297	2,787,967	4,332,626	200,150	387,675	587,825
1971	227,474	0	227,474	845,986	675,193	2,807,017	4,328,196	202,413	392,912	595,325
1972	224,978	0	224,978	930,299	822,397	3,027,749	4,780,445	209,057	406,589	615,646
1973	221,091	31,366	252,457	916,885	716,492	3,120,787	4,754,163	206,557	402,724	609,281
1974	240,498	32,938	273,437	957,604	746,932	3,325,022	5,029,558	208,545	407,090	615,635
1975	237,459	36,291	273,750	1,016,228	793,055	3,214,046	5,023,329	235,895	439,873	665,768
1976	271,292	40,836	312,127	1,129,395	943,464	3,362,542	5,435,400	228,976	447,299	676,275
1977	293,627	45,096	338,723	1,098,164	922,203	3,303,461	5,323,828	238,699	468,721	707,420
1978	273,870	49,178	323,048	1,187,146	935,818	3,712,581	5,835,545	245,331	484,259	729,590
1979	289,479	53,340	342,819	1,283,900	1,009,566	3,819,533	6,113,000	243,110	483,437	726,547
1980	310,846	86,073	396,919	1,437,059	1,173,798	4,119,071	6,729,928	282,254	540,553	822,807
1981	347,781	112,848	460,629	1,545,799	1,349,125	4,507,566	7,402,490	307,065	596,671	903,736
1982	438,335	141,835	580,171	1,626,317	1,369,536	4,941,393	7,937,246	328,215	682,545	1,010,760
1983	354,787	163,294	518,081	1,496,821	1,260,138	4,910,241	7,667,200	357,218	702,083	1,059,301
1984	467,336	246,698	714,034	1,806,993	1,478,394	6,870,249	10,155,637	409,529	801,057	1,210,586
1985	736,074	386,306	1,122,380	2,305,026	2,225,097	7,796,485	12,326,608	500,696	969,931	1,470,626
1986	1,120,086	714,246	1,834,332	2,173,841	2,014,104	8,193,845	12,381,790	536,751	1,038,031	1,574,782
1987	1,773,801	1,582,227	3,356,028	2,670,555	2,505,662	7,980,255	13,156,472	570,644	1,148,974	1,719,618
1988	2,349,572	2,524,763	4,874,335	2,731,908	2,774,430	8,730,285	13,336,623	673,071	1,439,620	2,112,691
1989	2,548,764	3,701,385	6,250,149	2,716,003	2,515,471	7,578,850	12,810,324	772,570	1,814,759	2,587,329
1990	2,900,024	3,848,934	6,748,958	3,151,446	2,929,775	8,355,392	14,436,613	933,367	2,046,370	2,979,737
1991	2,941,321	4,170,227	7,111,548	2,423,378	2,384,246	6,430,834	11,238,458	979,709	2,366,841	3,346,550
1992	2,797,727	4,144,993	6,942,720	2,897,853	2,927,115	7,656,940	13,481,908	1,118,807	2,526,861	3,645,668
1993	2,855,497	4,172,491	7,027,988	3,754,629	2,977,354	8,849,995	15,581,978	1,185,665	2,726,057	3,911,722
1994	2,987,938	4,225,291	7,213,229	4,225,291	3,791,722	3,586,255	9,613,545	1,335,974	3,518,042	4,854,012
1995	2,961,322	4,405,219	7,366,541	4,040,362	3,313,350	8,393,828	15,747,540	1,647,817	6,195,415	7,843,231
1996	3,045,021	4,898,210	7,943,232	3,648,200	3,178,398	9,228,554	16,055,151	2,592,043	15,232,542	17,824,585
1997	3,028,005	4,734,808	7,762,813	3,874,710	3,145,550	9,338,016	16,358,276	3,002,832	23,737,164	26,739,996
1998	2,936,062	4,588,897	7,524,960	3,481,550	3,201,607	9,077,806	15,760,963	3,254,940	28,393,640	31,648,580
1999	3,163,021	5,083,084	8,246,104	4,207,767	3,693,329	11,434,972	19,336,069	3,810,971	29,676,309	33,487,280
2000	3,462,081	5,621,291	9,083,372	5,809,324	3,594,439	10,219,800	19,623,563	3,763,854	30,288,867	34,052,721
2001	4,078,820	6,369,304	10,448,124	9,827,070	4,082,024	11,628,753	25,537,848	4,315,191	32,422,390	36,737,581
2002	4,325,454	6,566,796	10,892,250	13,358,642	4,087,080	13,155,985	30,601,707	4,041,707	32,104,599	36,146,306
2003	4,445,426	6,913,893	11,359,320	10,002,101	3,807,457	11,948,846	25,758,404	4,120,206	32,395,489	36,515,694
2004	4,980,911	7,257,511	12,238,422	8,381,469	4,208,242	11,648,225	24,237,937	4,189,896	32,929,025	37,118,921
2005	4,329,539	6,734,092	11,063,631	8,420,973	4,334,313	12,350,092	25,105,377	4,295,058	32,946,124	37,241,183
2006	4,286,052	6,314,142	10,600,194	8,521,572	4,397,239	12,645,907	25,563,908	4,181,666	32,747,243	36,928,908
2007	4,400,609	6,657,081	11,057,691	9,388,175	4,818,917	13,628,808	27,835,900	4,257,793	33,471,747	37,729,540
2008	5,189,196	6,759,170	11,948,366	10,617,452	5,225,709	14,093,119	29,936,280	4,842,782	35,143,695	39,986,477
2009	5,726,459	6,982,665	12,709,125	9,670,713	4,901,295	14,198,654	28,770,662	4,730,296	33,737,583	38,467,879
2010	6,357,988	8,753,646	15,111,634	11,112,211	5,561,862	15,783,319	32,457,393	5,271,256	36,244,303	41,515,559
2011	6,856,196	9,358,777	16,214,973	12,785,759	6,431,128	18,051,364	37,268,250	5,455,658	37,451,536	42,907,193
2012	7,467,562	9,417,892	16,885,454	13,859,556	6,516,657	20,508,353	40,884,565	5,531,112	38,023,525	43,554,638
2013	7,215,415	9,309,009	16,524,424	14,914,483	7,378,672	20,777,542	43,070,697	5,826,047	39,607,673	45,433,720
2014	7,836,138	9,843,175	17,679,312	14,564,965	7,580,096	20,715,909	42,860,970	5,636,937	36,832,271	42,469,208
2015	8,359,408	10,488,015	18,847,422	15,639,761	7,606,265	23,399,524	46,645,550	6,590,295	39,432,015	46,022,309
2016	9,024,651	11,651,037	20,675,687	16,975,051	7,698,121	30,504,358	55,177,530	6,657,908	44,321,816	50,979,724
2017	8,598,615	12,180,318	20,778,933	18,305,582	8,178,981	28,946,357	55,430,920	6,470,121	42,469,977	48,940,098
<b>2018</b>	<b>9,636,942</b>	<b>12,537,403</b>	<b>22,174,345</b>	<b>18,466,778</b>	<b>8,690,950</b>	<b>23,662,037</b>	<b>50,819,765</b>	<b>7,611,398</b>	<b>41,746,392</b>	<b>49,357,790</b>
2019	9,583,873	12,511,083	22,094,955	19,051,329	9,020,188	24,306,145	52,377,661	7,890,710	42,627,612	50,518,322
2020	9,440,104	12,033,962	21,474,066	18,772,566	8,929,686	25,692,568	53,394,820	8,144,046	42,895,794	51,039,840
2021	9,522,818	12,144,330	21,667,147	18,534,803	8,788,474	25,407,837	52,731,114	8,138,747	43,107,862	51,246,609
2022	9,514,617	12,149,243	21,663,860	19,017,504	9,038,058	26,020,490	54,076,053	8,265,650	43,343,774	51,609,424
2023	9,546,946	12,166,707	21,713,653	18,837,091	8,937,057	25,812,776	53,586,924	8,220,393	43,315,070	51,535,463
2024	9,546,421	12,180,187	21,726,608	18,803,611	8,916,911	25,789,500	53,510,022	8,208,711	43,282,644	51,491,356
2025	9,517,208	12,165,017	21,682,224	18,932,190	8,984,767	25,966,309	53,883,267	8,242,372	43,285,524	51,527,896
2026	9,494,702	12,151,459	21,646,161	18,745,259	8,887,932	25,754,285	53,387,476	8,188,043	43,111,759	51,299,802
2027	9,558,309	12,239,834	21,798,143	18,958,157	8,985,642	26,032,384	53,976,183	8,250,353	43,393,544	51,643,897
2028	9,463,863	12,138,884	21,602,747	18,761,876	8,895,326	25,808,925	53,466,127	8,184,049	43,007,299	51,191,348
2029	9,512,675	12,210,491	21,723,166	18,915,099	8,964,166	26,014,765	53,894,030	8,230,116	43,218,640	51,448,757
2030	9,341,072	12,014,580	21,355,651	18,557,151	8,800,993	25,594,320	52,952,464	8,120,001	42,560,139	50,680,140
2031	9,349,587	12,034,957	21,384,545	18,749,303	8,894,598	25,846,966	53,490,866	8,176,174	42,707,523	50,883,697
2032	9,360,926	12,056,409	21,417,335	18,629,033	8,825,799	25,722,101	53,176,933	8,136,909	42,679,552	50,816,462
2033	9,352,688	12,050,741	21,403,429	18,880,820	8,950,936	26,048,799	53,880,554	8,213,112	42,885,099	51,098,211
2034	9,304,768	12,017,293	21,322,061	18,779,196	8,891,346	25,944,987	53,615,529	8,181,829	42,865,939	51,047,768
2035	9,183,965	11,916,170	21,100,135	18,844,524	8,919,068	26,036,334	53,799,926	8,218,599	42,986,440	51,205,039
<b>TOTAL</b>	<b>320,235,617</b>	<b>420,117,438</b>	<b>740,353,055</b>	<b>619,765,289</b>	<b>322,041,216</b>	<b>961,256,113</b>	<b>1,903,062,618</b>	<b>264,012,425</b>	<b>1,546,890,503</b>	<b>1,810,902,928</b>

<sup>a</sup> Capital charges repaid through bond debt service prior to 2016 exclude bond cover; capital charges for 2017 and after include both bond debt service and bond cover.

TABLE B-23 Total Transportation and Delta Water Charge for Each Contractor<sup>a</sup> (in dollars)

Sheet 2 of 4

Calendar Year	SAN JOAQUIN VALLEY AREA								
	Dudley Ridge	Empire	Future Contractor San Joaquin Valley	Kern		Kings	Oak Flat	Tulare	Total
				Municipal and Industrial	Agricultural				
1961	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0
1964	0	0	2,725	0	0	0	0	0	2,725
1965	0	0	6,029	73,569	0	0	0	0	79,598
1966	0	0	12,039	137,330	0	0	0	0	149,368
1967	0	0	26,257	267,611	0	0	0	0	293,869
1968	228,229	19,523	54,588	445,439	1,725,017	16,947	19,866	309,976	2,819,584
1969	244,412	11,362	87,576	525,094	2,760,818	16,825	19,620	468,863	4,134,571
1970	309,848	34,798	94,675	573,998	3,917,562	21,435	30,650	528,724	5,511,689
1971	331,769	37,526	95,695	605,889	5,251,361	27,175	34,952	720,454	7,104,820
1972	385,925	40,787	98,788	631,615	7,245,067	26,473	64,333	2,009,455	10,502,443
1973	403,710	39,409	97,550	1,025,888	7,387,004	28,816	39,566	791,369	9,813,312
1974	514,684	40,623	98,460	1,144,792	8,108,652	29,544	42,899	1,057,928	11,037,583
1975	688,801	41,072	106,703	1,197,166	9,509,705	31,240	48,525	1,574,051	13,197,262
1976	726,208	43,593	108,084	1,323,840	10,763,787	32,666	52,506	1,454,713	14,505,397
1977	586,357	39,510	112,554	1,367,404	11,090,585	34,434	54,579	1,150,092	14,435,515
1978	705,364	36,029	115,521	1,565,884	13,439,716	38,927	59,414	1,184,969	17,145,824
1979	790,012	48,346	114,253	1,668,951	15,531,864	43,065	71,016	1,740,602	20,008,108
1980	971,508	50,081	125,950	1,770,264	17,187,786	48,021	95,494	1,686,939	21,936,043
1981	1,220,447	84,447	134,169	2,430,802	22,808,100	66,495	101,057	2,298,892	29,144,410
1982	1,256,563	70,641	135,057	2,523,660	25,220,369	70,662	108,723	2,294,467	31,680,142
1983	1,191,250	52,991	149,202	2,085,047	24,885,720	75,442	87,803	508,716	29,036,172
1984	1,501,223	28,973	164,505	3,396,379	33,628,962	94,320	121,892	1,554,171	40,490,426
1985	1,777,490	130,403	184,905	3,891,204	39,615,299	117,583	139,982	2,825,271	48,682,138
1986	2,019,795	79,780	180,445	4,079,838	43,710,172	136,715	153,657	3,673,925	54,034,327
1987	1,895,463	95,698	179,872	4,570,841	43,021,016	137,332	151,907	3,767,707	53,819,836
1988	1,980,906	110,076	193,735	4,734,502	44,973,412	138,278	147,085	3,923,072	56,201,065
1989	2,136,023	102,203	187,913	4,677,357	47,176,608	137,085	166,930	4,405,372	58,989,491
1990	1,889,768	87,407	221,392	4,827,893	45,964,805	121,154	149,243	3,985,159	57,246,819
1991	1,700,421	80,696	220,282	4,535,869	37,840,460	103,909	135,253	3,526,169	48,143,059
1992	2,247,050	105,515	241,455	5,550,167	49,037,556	143,783	176,236	4,564,999	62,066,762
1993	2,469,205	120,518	264,959	5,806,060	54,938,723	161,522	195,801	5,318,853	69,275,641
1994	2,274,028	108,023	306,359	5,210,309	52,409,263	145,625	178,613	4,691,553	65,323,772
1995	2,870,488	115,941	304,297	6,621,491	60,869,418	180,802	210,946	5,550,387	76,723,771
1996	2,062,132	125,630	389,203	6,671,115	58,939,229	178,474	190,558	7,116,153	75,672,494
1997	2,773,395	101,035	276,681	6,521,956	57,715,576	138,117	212,758	4,738,283	72,477,801
1998	2,619,076	120,327	381,847	5,733,156	54,290,792	143,433	204,368	4,991,583	68,484,581
1999	2,718,796	136,853	369,935	6,378,472	58,052,631	184,423	219,579	7,479,349	75,540,038
2000	2,604,236	121,131	302,665	6,100,216	51,606,372	174,158	213,797	6,192,859	67,315,434
2001	3,278,626	145,983	328,028	5,650,458	58,837,260	192,167	259,839	6,459,789	75,152,148
2002	2,996,948	128,109	320,541	6,168,328	53,796,682	187,350	239,267	5,804,868	69,642,092
2003	3,047,295	131,929	339,960	6,533,590	56,320,830	202,324	238,502	6,087,782	72,902,212
2004	3,234,755	168,563	342,484	7,857,831	56,910,006	356,570	254,074	5,843,520	74,967,802
2005	3,793,719	177,152	355,581	7,013,406	67,488,526	690,843	250,862	6,680,789	86,450,878
2006	3,624,732	168,214	295,034	7,502,239	64,677,637	537,182	256,142	5,916,625	82,977,805
2007	3,410,156	159,371	333,578	7,116,420	61,489,794	521,915	253,157	5,854,945	79,139,336
2008	3,384,924	157,107	468,955	7,766,909	62,467,386	547,926	261,720	5,550,023	80,604,950
2009	3,261,399	154,036	435,155	6,914,353	60,738,111	521,242	260,858	5,440,608	77,725,762
2010	3,611,289	231,994	507,229	8,073,489	71,970,654	647,066	324,678	6,454,945	91,821,344
2011	4,572,786	219,605	506,329	9,734,981	90,647,706	741,177	356,966	6,935,582	113,715,133
2012	3,747,804	231,684	467,362	9,806,387	83,639,278	767,007	366,698	7,902,087	106,928,307
2013	4,230,378	232,914	518,813	10,363,237	85,832,456	753,835	381,810	7,385,649	109,699,090
2014	4,041,609	211,255	635,247	9,521,759	79,752,511	685,192	372,626	6,525,283	101,745,480
2015	4,389,924	259,375	755,755	12,013,976	94,586,239	830,370	450,171	8,073,122	121,358,933
2016	4,905,336	315,467	487,099	13,317,505	106,062,191	973,907	521,416	9,489,505	136,072,427
2017	5,689,792	324,945	542,904	15,281,476	118,007,718	1,074,288	545,974	10,297,425	151,764,523
<b>2018</b>	<b>5,517,741</b>	<b>333,145</b>	<b>566,035</b>	<b>15,797,806</b>	<b>117,521,554</b>	<b>1,068,536</b>	<b>575,655</b>	<b>10,352,389</b>	<b>151,732,860</b>
2019	5,610,379	338,336	585,532	16,049,468	119,656,828	1,086,085	582,261	10,526,156	154,435,045
2020	5,231,462	338,409	575,420	16,055,185	118,992,971	1,086,628	584,583	10,522,951	153,387,610
2021	5,023,134	325,148	592,683	15,562,540	115,320,261	1,046,190	558,685	10,142,158	148,570,799
2022	5,300,918	342,835	596,785	16,260,874	120,477,826	1,100,881	591,811	10,651,253	155,323,183
2023	5,164,651	334,203	601,125	15,918,413	118,110,664	1,074,030	574,743	10,401,980	152,179,809
2024	5,127,683	332,023	605,418	15,810,517	117,430,106	1,067,159	570,513	10,333,201	151,276,620
2025	5,202,855	337,062	609,717	16,004,151	118,859,189	1,082,644	579,416	10,468,911	153,143,944
2026	5,084,765	329,915	614,359	15,685,768	116,639,450	1,060,331	565,810	10,249,676	150,230,074
2027	5,166,914	334,801	618,675	15,912,152	118,395,648	1,075,431	574,166	10,404,111	152,481,898
2028	5,083,005	330,312	621,250	15,674,723	116,672,719	1,061,196	565,588	10,242,682	150,251,474
2029	5,136,928	333,522	625,993	15,820,498	117,849,232	1,071,074	570,982	10,344,257	151,752,485
2030	4,993,073	325,741	630,814	15,422,421	114,892,562	1,046,572	556,163	10,067,881	147,935,226
2031	5,095,845	332,232	634,387	15,710,495	117,087,827	1,066,243	566,671	10,257,198	150,750,897
2032	4,980,900	325,002	639,588	15,356,859	114,757,510	1,043,777	554,501	10,046,572	147,704,708
2033	5,117,362	333,614	644,516	15,763,440	117,667,680	1,070,304	568,409	10,297,793	151,463,118
2034	5,022,979	327,683	649,214	15,459,781	115,747,333	1,051,702	558,490	10,124,931	148,942,114
2035	5,066,607	330,447	653,856	15,689,485	117,260,454	1,059,991	559,418	10,205,609	150,825,866
<b>TOTAL</b>	<b>206,243,256</b>	<b>11,863,076</b>	<b>24,851,744</b>	<b>545,261,986</b>	<b>4,407,188,207</b>	<b>32,494,013</b>	<b>19,752,233</b>	<b>400,427,326</b>	<b>5,648,081,842</b>

<sup>a</sup> Capital charges repaid through bond debt service prior to 2016 exclude bond cover; capital charges for 2017 and after include both bond debt service and bond cover.

TABLE B-23 Total Transportation and Delta Water Charge for Each Contractor<sup>a</sup> (in dollars)

Sheet 3 of 4

Calendar Year	SOUTHERN CALIFORNIA AREA									
	AVEK	Castaic Lake	Coachella	Crestline	Desert	Littlerock	Mojave	Palmdale	San Bernardino	San Gabriel
	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]
1961	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0
1963	34,411	0	0	0	726	0	0	0	51,729	0
1964	64,494	27,447	19,542	4,370	38,211	1,143	30,324	8,205	82,811	34,987
1965	121,484	53,007	34,348	7,194	42,701	2,082	53,730	15,222	135,069	35,344
1966	221,012	101,264	62,476	12,478	76,886	3,753	96,944	27,679	232,502	61,465
1967	427,622	210,814	121,269	23,472	148,839	7,284	188,141	54,023	433,350	115,574
1968	754,401	492,179	218,649	41,509	265,168	12,870	336,294	95,466	782,163	208,927
1969	1,090,136	744,106	334,105	61,226	394,024	18,693	500,828	138,063	1,205,834	321,755
1970	1,420,639	944,516	470,423	89,700	552,223	25,231	692,388	184,837	1,778,187	467,573
1971	1,760,670	1,139,702	627,331	128,360	754,065	31,837	931,873	231,280	2,538,219	659,414
1972	2,245,455	1,386,253	819,635	185,868	1,035,804	43,771	1,263,225	287,620	3,758,473	950,297
1973	2,399,531	1,435,375	971,770	190,992	1,264,690	46,059	1,357,568	313,446	4,026,451	961,024
1974	2,520,870	1,531,494	998,399	204,074	1,305,235	48,933	1,418,114	331,702	4,463,660	1,104,491
1975	2,739,680	1,623,639	1,047,544	219,290	1,381,319	53,242	1,506,536	355,270	4,638,827	1,208,046
1976	3,204,880	1,660,864	1,106,524	232,129	1,474,438	57,732	1,584,026	381,276	4,838,364	1,278,740
1977	3,187,208	1,749,438	1,008,676	245,111	1,317,096	54,209	1,672,617	406,620	5,094,241	1,336,313
1978	3,635,572	1,883,408	1,208,919	255,468	1,618,071	56,805	1,721,038	420,026	5,091,935	1,374,033
1979	4,309,554	1,964,097	1,295,874	267,791	1,740,645	60,285	1,897,745	449,757	5,136,839	1,342,135
1980	4,994,298	2,103,379	1,406,781	295,350	1,941,392	67,604	2,071,158	499,051	5,647,604	1,485,141
1981	5,824,304	2,573,759	1,574,217	328,818	2,194,094	100,752	2,394,840	603,265	6,461,840	1,688,324
1982	5,582,860	2,737,748	1,657,630	346,721	2,336,914	82,296	2,368,804	641,991	6,752,799	1,929,664
1983	6,335,170	2,809,415	2,181,785	380,840	3,172,326	188,383	2,566,905	658,613	6,964,704	1,808,748
1984	7,713,111	3,888,823	3,287,286	497,586	4,929,764	96,492	2,834,761	727,821	8,053,209	2,598,232
1985	9,545,818	4,355,837	4,122,840	601,928	6,265,166	103,706	3,026,265	959,657	8,893,342	2,686,799
1986	9,515,134	4,992,199	4,584,188	647,634	7,009,695	130,222	3,210,998	1,223,847	9,142,822	3,398,540
1987	9,550,203	4,850,635	4,452,838	678,086	6,885,936	240,873	3,266,643	1,255,052	10,544,337	3,398,921
1988	9,149,230	5,038,273	4,510,360	704,411	7,052,631	158,845	3,441,812	1,044,206	11,095,193	3,271,137
1989	11,039,912	5,048,242	4,218,204	691,191	6,635,387	210,634	3,523,411	1,746,763	10,811,990	3,453,679
1990	12,432,751	5,516,935	4,916,384	729,229	7,720,886	331,172	3,757,243	1,953,905	11,722,946	4,221,266
1991	9,293,533	4,630,699	3,471,782	688,867	5,335,009	221,166	4,617,501	1,640,084	11,104,874	3,642,610
1992	11,850,715	5,819,388	3,626,099	612,895	5,587,383	174,998	5,596,120	1,532,325	11,144,101	3,694,099
1993	12,264,759	5,466,051	3,830,889	617,198	5,922,476	211,904	5,487,662	1,753,971	12,107,175	4,042,324
1994	14,334,329	6,032,510	3,857,907	603,212	5,963,596	278,012	6,439,362	2,090,724	12,731,704	4,776,753
1995	14,201,115	6,408,157	4,680,553	661,811	7,318,575	212,244	5,632,317	1,952,494	12,204,445	4,480,933
1996	14,628,006	6,639,301	7,634,303	710,651	12,187,480	208,356	5,730,685	2,300,206	12,730,931	4,599,073
1997	15,198,058	6,532,955	7,251,237	750,419	8,515,792	207,887	6,153,470	2,342,198	14,400,157	4,897,487
1998	13,714,014	6,155,761	6,324,675	717,140	7,018,227	209,057	7,756,490	1,946,444	14,309,132	4,177,167
1999	15,620,657	6,779,050	5,427,378	827,907	7,263,387	215,899	8,428,661	2,379,773	15,812,151	5,154,993
2000	14,833,919	10,267,182	3,823,491	793,089	5,621,219	186,831	8,311,240	2,078,945	15,526,880	4,255,999
2001	24,848,284	15,873,355	4,861,082	995,705	7,603,913	199,105	8,999,552	3,986,757	21,480,547	4,397,205
2002	16,403,104	13,164,904	4,133,283	961,222	6,403,149	182,302	8,175,791	3,395,052	22,465,741	5,804,406
2003	17,746,363	14,218,692	4,252,442	931,249	6,597,952	187,473	9,830,797	2,928,893	20,874,712	5,970,925
2004	18,938,223	15,501,571	4,936,955	1,044,004	6,725,098	201,554	10,114,148	3,218,071	25,437,334	5,474,566
2005	19,250,306	14,455,494	18,592,019	863,710	11,611,845	190,110	9,851,393	3,253,662	23,389,329	5,711,879
2006	20,934,322	13,756,021	31,729,520	854,155	11,709,982	201,818	12,682,635	3,209,003	23,320,184	5,781,107
2007	24,148,734	16,784,074	30,445,971	1,080,372	11,080,804	200,705	16,263,385	4,706,167	29,128,286	4,835,475
2008	22,057,023	19,086,825	30,137,911	1,028,225	12,128,962	216,297	14,862,488	4,687,326	29,823,472	5,906,233
2009	20,241,271	17,189,482	28,229,579	1,024,958	10,175,153	222,099	14,800,339	4,478,694	29,942,203	6,488,946
2010	23,892,804	17,505,826	38,246,924	971,309	13,589,794	227,256	17,931,914	3,968,294	32,968,250	8,181,320
2011	30,867,492	17,666,844	40,387,597	1,057,552	14,815,821	251,702	11,926,212	4,069,651	30,699,049	9,018,678
2012	31,522,371	19,575,434	47,280,518	1,170,675	17,358,270	267,092	13,690,656	5,503,651	44,544,240	9,385,126
2013	27,016,426	22,400,551	39,378,142	1,398,640	13,956,704	291,936	13,894,625	4,620,304	35,712,731	7,606,966
2014	22,508,400	21,064,194	34,779,676	1,490,908	11,872,107	295,011	13,908,367	4,708,795	35,844,183	6,550,895
2015	22,604,764	21,600,509	39,679,315	1,545,565	13,945,568	321,888	16,783,886	4,183,124	42,429,939	7,971,534
2016	28,002,074	21,652,456	44,126,498	1,518,347	15,413,480	342,509	19,390,041	4,921,526	49,988,826	9,596,328
2017	36,992,534	24,648,735	44,685,892	1,628,589	16,176,152	519,676	17,250,025	5,270,646	49,713,076	9,741,857
<b>2018</b>	<b>36,534,569</b>	<b>28,383,861</b>	<b>53,157,689</b>	<b>2,096,846</b>	<b>18,776,085</b>	<b>617,595</b>	<b>25,003,446</b>	<b>6,862,496</b>	<b>52,648,758</b>	<b>10,317,173</b>
2019	36,906,268	28,133,723	52,059,610	2,114,789	18,709,695	617,448	25,290,010	6,797,920	53,815,627	10,485,429
2020	38,004,456	28,538,335	53,139,900	2,107,846	18,918,684	628,879	25,853,810	7,006,602	53,923,968	10,468,204
2021	38,108,530	28,281,929	52,914,003	2,073,059	18,725,881	619,954	25,588,352	6,884,752	53,357,611	10,320,430
2022	38,905,278	28,733,199	53,043,458	2,095,784	18,923,438	632,835	25,929,250	7,081,738	53,709,218	10,428,682
2023	38,701,192	28,657,322	52,233,379	2,089,569	18,753,015	629,383	25,868,923	7,029,237	53,534,147	10,375,140
2024	38,138,461	28,326,587	51,623,747	2,062,074	18,513,530	620,162	25,537,762	6,898,584	53,082,892	10,247,120
2025	38,557,223	28,665,180	52,092,943	2,079,617	18,695,628	627,044	25,782,978	7,003,206	53,408,936	10,335,168
2026	37,854,491	28,222,895	51,330,130	2,047,783	18,383,657	615,559	25,388,719	6,845,904	52,819,373	10,165,778
2027	38,600,677	28,693,012	52,125,595	2,083,862	18,715,116	627,761	25,830,603	7,000,915	53,505,549	10,349,712
2028	37,963,173	28,289,227	51,524,160	2,053,882	18,442,110	617,388	25,462,189	6,879,171	52,939,012	10,189,718
2029	38,409,528	28,549,855	52,062,883	2,076,022	18,659,385	624,694	25,733,968	6,968,975	53,410,470	10,313,702
2030	37,525,304	27,910,125	51,255,998	2,032,075	18,285,814	610,336	25,212,562	6,810,712	52,601,338	10,088,747
2031	39,056,425	28,610,519	52,865,853	2,099,494	18,929,103	635,358	26,051,889	7,167,712	53,825,961	10,426,303
2032	36,922,049	27,498,046	50,799,215	2,009,751	18,087,965	600,477	24,917,223	6,664,727	52,323,947	9,997,294
2033	39,106,462	28,676,913	53,036,444	2,108,004	18,978,887	636,236	26,160,568	7,172,981	54,003,717	10,461,746
2034	37,097,709	27,697,064	51,174,622	2,022,529	18,218,717	603,443	25,098,790	6,710,901	52,631,145	10,069,548
2035	40,928,821	29,093,197	54,995,289	2,188,390	19,748,427	665,969	27,160,261	7,600,476	55,481,146	10,862,336
<b>TOTAL</b>	<b>1,353,054,629</b>	<b>942,699,857</b>	<b>1,524,504,549</b>	<b>72,150,985</b>	<b>677,917,365</b>	<b>19,810,312</b>	<b>804,095,300</b>	<b>231,528,454</b>	<b>1,781,235,908</b>	<b>389,447,482</b>

<sup>a</sup> Capital charges repaid through bond debt service prior to 2016 exclude bond cover; capital charges for 2017 and after include both bond debt service and bond cover.

**TABLE B-23 Total Transportation and Delta Water Charge for Each Contractor<sup>a</sup> (in dollars)**

Sheet 4 of 4

Calendar Year	SOUTHERN CALIFORNIA AREA (continued)				FEATHER RIVER AREA				South Bay Area Future Contractor	Grand Total
	San Gorgonio	Metropolitan	Ventura	Total	Yuba City	Butte	Plumas	Total		
	[30]	[31]	[32]	[33]	[34]	[35]	[36]	[37]		
1961	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	3,219	79,888
1963	0	690,812	0	777,678	0	0	0	0	12,626	1,628,026
1964	21,735	1,260,513	9,378	1,603,161	0	0	0	0	13,938	2,810,279
1965	21,866	2,180,589	17,766	2,720,401	0	0	405	405	28,937	4,815,355
1966	37,964	3,900,172	33,426	4,868,023	0	0	565	565	31,321	7,409,358
1967	71,283	7,693,703	68,155	9,563,529	0	0	562	562	47,718	13,086,788
1968	128,915	15,317,881	142,803	18,797,226	0	1,050	1,439	2,489	46,945	25,635,408
1969	198,764	23,153,064	215,209	28,375,808	0	1,225	4,120	5,345	52,963	37,067,544
1970	289,633	30,617,164	273,605	37,806,118	0	3,848	17,116	20,964	69,744	48,606,513
1971	409,327	39,958,997	342,425	49,513,501	0	4,546	19,187	23,733	55,532	61,848,581
1972	537,186	54,991,810	422,304	67,927,701	0	4,929	21,150	26,079	80,412	84,157,704
1973	587,963	59,591,118	435,655	73,581,641	0	7,059	21,778	28,837	54,219	89,093,911
1974	611,428	66,008,399	455,565	81,002,365	0	8,336	22,408	30,744	76,783	98,066,105
1975	644,621	71,830,070	478,403	87,226,488	0	9,416	23,523	32,939	84,547	107,004,082
1976	668,315	74,907,214	475,587	91,870,089	0	7,004	23,257	30,261	106,717	112,936,267
1977	696,515	73,338,457	507,063	90,613,564	0	16,917	24,059	40,976	98,618	111,558,643
1978	709,040	81,951,168	523,177	100,448,659	0	12,635	24,225	36,860	100,786	124,620,311
1979	712,866	83,601,786	526,405	103,305,778	0	16,575	28,352	44,927	119,352	130,660,531
1980	862,275	93,029,351	583,628	114,987,014	0	19,834	26,562	46,396	178,812	145,097,919
1981	946,961	112,171,493	672,540	137,535,205	0	21,682	34,563	56,245	185,347	175,688,062
1982	1,021,329	117,143,301	727,623	143,329,679	0	16,117	43,117	59,234	173,894	184,771,125
1983	1,076,279	118,991,007	854,263	147,888,438	0	15,202	29,410	44,612	220,926	186,434,729
1984	1,211,621	156,273,535	933,311	193,045,552	20,590	15,442	31,795	67,827	225,959	245,910,022
1985	1,287,789	194,967,204	993,651	237,810,000	24,050	16,976	32,405	73,431	340,322	301,825,504
1986	1,344,770	218,331,684	1,058,276	264,590,008	31,753	18,145	33,596	83,494	279,227	334,777,960
1987	1,379,613	204,859,482	1,056,318	252,418,936	37,071	17,794	33,384	88,249	345,116	324,904,255
1988	1,465,829	221,667,115	1,124,102	269,723,144	48,058	19,117	33,605	100,780	365,207	346,713,845
1989	1,505,481	230,328,278	1,232,379	280,445,551	61,184	20,809	37,188	119,181	422,329	361,624,353
1990	1,624,763	277,194,766	1,855,991	333,978,237	66,041	20,855	36,812	123,708	474,284	415,988,356
1991	1,720,878	221,887,061	1,549,955	269,804,019	180,212	22,526	42,200	244,938	214,683	340,103,254
1992	1,779,902	245,365,618	1,503,480	298,287,124	208,216	26,028	43,517	277,761	443,676	385,145,618
1993	1,943,336	219,238,180	1,551,253	274,437,179	209,613	26,203	47,588	283,404	599,571	371,117,484
1994	1,920,217	257,365,883	1,475,069	317,960,487	201,284	25,161	46,079	272,524	609,966	413,225,515
1995	1,982,808	225,863,369	1,568,401	287,167,219	216,945	27,118	50,022	294,085	534,971	395,677,358
1996	1,651,239	235,410,311	1,622,641	306,053,184	217,250	27,155	56,622	301,027	571,857	424,421,530
1997	1,758,607	245,453,567	1,777,266	315,239,098	236,300	29,847	59,915	326,062	428,638	439,332,684
1998	1,947,195	227,090,227	1,796,534	293,162,063	128,021	29,927	36,222	194,170	465,095	417,240,412
1999	2,267,918	257,177,969	1,881,647	329,237,369	254,675	31,834	40,585	327,094	584,116	466,758,070
2000	2,540,973	252,908,188	1,968,120	323,116,074	262,163	79,001	43,704	384,868	0	453,576,032
2001	3,486,051	441,710,358	2,260,648	540,702,383	261,699	93,471	45,056	400,226	0	688,978,309
2002	4,834,564	333,573,284	2,305,096	421,801,898	266,107	95,018	47,297	408,422	0	569,492,674
2003	6,118,829	361,640,701	2,321,867	453,620,895	262,547	93,638	68,989	425,174	0	600,581,699
2004	6,478,431	413,357,269	2,609,212	514,036,437	284,387	102,404	29,286	416,077	0	663,015,596
2005	6,758,865	384,539,517	2,082,380	500,550,508	280,033	727,066	28,810	1,035,909	0	661,447,486
2006	7,263,392	359,999,288	2,046,502	493,487,930	292,991	43,185	38,617	374,793	0	649,933,538
2007	7,900,737	438,572,501	2,531,420	587,678,631	291,100	40,957	46,072	378,129	0	743,819,327
2008	9,657,383	411,914,057	2,995,191	564,501,394	306,916	804,536	86,522	1,197,974	0	728,175,441
2009	9,843,470	382,579,121	2,870,106	528,085,421	328,896	855,850	90,625	1,275,371	0	687,034,220
2010	11,028,312	440,910,771	3,039,193	612,461,968	404,358	1,064,565	108,873	1,573,796	0	794,941,693
2011	11,895,858	493,156,897	3,127,932	668,941,285	451,483	1,197,315	121,980	1,770,778	0	880,817,612
2012	13,011,117	485,089,007	3,417,910	691,816,067	460,139	1,318,107	130,850	1,909,096	0	901,978,127
2013	13,601,021	476,349,512	3,405,336	659,632,895	483,119	1,383,934	141,268	2,008,321	0	876,369,148
2014	16,055,963	426,217,186	2,934,389	598,230,074	473,134	1,355,332	140,895	1,969,361	0	804,954,406
2015	18,247,808	469,993,144	3,296,418	662,603,463	614,794	1,761,128	185,768	2,561,690	0	898,039,367
2016	21,575,366	537,620,051	3,832,841	757,980,344	727,229	2,083,208	228,711	3,039,148	0	1,023,924,860
2017	23,060,018	579,200,616	4,187,411	813,075,227	781,362	2,238,278	230,597	3,250,237	0	1,093,239,937
<b>2018</b>	<b>23,594,607</b>	<b>582,727,658</b>	<b>4,330,835</b>	<b>845,051,619</b>	<b>744,687</b>	<b>2,133,220</b>	<b>230,124</b>	<b>3,108,031</b>	<b>0</b>	<b>1,122,244,410</b>
2019	23,816,339	590,950,258	4,327,788	854,024,905	755,154	2,163,205	231,599	3,149,958	0	1,136,600,848
2020	24,114,283	600,027,585	4,334,066	867,066,617	753,513	2,158,503	219,028	3,131,044	0	1,149,493,997
2021	24,056,107	594,196,055	4,328,044	859,454,706	755,523	2,164,261	218,990	3,138,774	0	1,136,809,150
2022	24,129,005	601,205,753	4,325,511	869,143,149	753,193	2,157,587	216,697	3,127,477	0	1,154,943,146
2023	24,112,164	597,955,711	4,333,041	864,272,224	754,002	2,159,904	217,015	3,130,921	0	1,146,418,995
2024	24,048,210	590,214,570	4,308,473	853,622,173	752,158	2,154,621	216,296	3,123,075	0	1,134,749,854
2025	24,114,113	595,833,791	4,317,945	861,513,773	748,211	2,143,314	214,754	3,106,279	0	1,144,857,383
2026	24,026,151	586,240,104	4,286,178	848,226,722	744,401	2,132,401	213,266	3,090,068	0	1,127,880,302
2027	24,150,849	596,480,392	4,338,107	862,502,149	748,547	2,144,278	214,887	3,107,712	0	1,145,509,982
2028	24,067,612	587,111,189	4,280,015	849,818,045	737,878	2,113,716	210,718	3,062,312	0	1,129,392,052
2029	24,156,809	593,346,226	4,311,246	858,623,763	740,632	2,121,603	211,795	3,074,030	0	1,140,516,231
2030	24,034,544	578,876,699	4,205,692	839,449,945	723,338	2,072,064	205,037	3,000,439	0	1,115,373,866
2031	24,251,717	594,960,131	4,239,699	863,120,164	723,332	2,072,047	205,035	3,000,414	0	1,142,630,584
2032	24,009,053	571,435,677	4,171,114	829,436,537	723,365	2,072,143	205,050	3,000,558	0	1,105,552,532
2033	24,302,373	595,980,108	4,245,237	864,869,675	723,362	2,072,132	205,051	3,000,545	0	1,145,715,532
2034	24,082,020	575,418,625	4,186,695	835,011,808	723,363	2,072,137	205,055	3,000,555	0	1,112,939,836
2035	24,575,507	612,786,046	4,310,898	890,396,764	723,353	2,072,107	205,053	3,000,513	0	1,170,328,243
<b>TOTAL</b>	<b>664,045,853</b>	<b>23,105,880,362</b>	<b>159,157,810</b>	<b>31,725,528,867</b>	<b>22,697,732</b>	<b>54,057,548</b>	<b>6,686,704</b>	<b>83,441,984</b>	<b>8,748,370</b>	<b>41,920,119,663</b>

<sup>a</sup> Capital charges repaid through bond debt service prior to 2016 exclude bond cover; capital charges for 2017 and after include both bond debt service and bond cover.

**TABLE B-24 Equivalent Unit Charge for Water Supply for Each Contractor<sup>a</sup> (in dollars per acre-foot)**

Project Service Area and Water Supply Contractor	Transportation Charge					Delta Water Charge	Water System Revenue Bond Surcharge	Total Equivalent Unit Charge
	Capital Cost Component	Minimum OMP&R Component	Off- Aqueduct Component	Variable OMP&R Component	Total			
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]
<b>FEATHER RIVER AREA</b>								
Yuba City	0.00	0.00	0.00	0.00	0.00	144.80	14.38	159.18
Butte	0.00	0.00	0.00	0.00	0.00	614.37	51.13	665.50
Plumas	44.73	5.05	0.00	0.00	49.78	89.07	11.67	150.52
Feather River Area	9.53	1.08	0.00	0.00	10.61	246.85	22.72	280.18
<b>NORTH BAY AREA</b>								
Napa	178.72	76.13	4.88	18.41	278.14	44.89	17.18	340.22
Solano	105.05	66.45	5.30	11.73	188.54	50.50	13.57	252.61
North Bay Area	132.32	70.03	5.15	14.20	221.70	48.42	14.91	285.04
<b>SOUTH BAY AREA</b>								
Alameda-Zone 7	51.77	60.02	9.13	20.27	141.19	46.39	9.70	197.28
Alameda County	30.63	33.99	7.43	13.22	85.28	31.89	5.07	122.24
Santa Clara	24.98	26.19	6.59	11.05	68.81	20.73	3.45	92.98
South Bay Area	30.31	33.03	7.14	12.92	83.41	26.77	4.74	114.93
<b>SAN JOAQUIN VALLEY AREA</b>								
Kings	6.46	9.89	3.82	7.92	28.10	38.08	4.02	70.21
Dudley Ridge	5.54	6.09	3.33	4.82	19.78	20.98	2.24	43.01
Empire	2.35	5.77	2.54	4.47	15.14	23.86	1.86	40.86
Kern	10.19	11.97	5.09	6.75	34.00	26.42	2.96	63.38
Oak Flat	2.29	3.30	2.04	2.98	10.61	22.64	1.88	35.14
Tulare	5.76	6.27	3.26	4.67	19.97	22.16	2.32	44.45
San Joaquin Valley Area	9.41	11.00	4.78	6.41	31.61	25.71	2.86	60.18
<b>CENTRAL COASTAL AREA</b>								
San Luis Obispo	433.05	273.11	13.92	117.97	838.04	214.72	52.17	1,104.93
Santa Barbara	1,122.34	270.33	20.40	97.78	1,510.85	105.78	79.72	1,696.35
Central Coastal Area	976.91	270.92	19.03	102.04	1,368.90	128.76	73.91	1,571.57
<b>SOUTHERN CALIFORNIA AREA</b>								
AVEK	58.98	60.28	33.50	65.47	218.22	56.98	10.16	285.36
Castaic Lake	62.48	66.98	25.74	42.96	198.17	49.43	12.89	260.49
Coachella	86.64	100.61	44.48	75.10	306.84	54.52	11.96	373.32
Crestline	164.84	159.19	35.35	79.58	438.96	84.04	21.31	544.31
Desert	54.59	58.40	53.18	43.02	209.19	34.00	7.61	250.80
Littlerock	100.30	101.87	30.96	64.27	297.40	93.98	16.58	407.96
Mojave	199.57	232.69	34.80	135.74	602.79	163.69	36.41	802.90
Palmdale	61.25	66.04	39.97	100.63	267.90	66.52	10.81	345.23
San Bernardino	298.93	218.49	31.36	77.80	626.58	96.61	26.15	749.34
San Gabriel	125.10	122.67	48.31	48.59	344.68	60.71	15.69	421.08
San Gorgonio	1,814.04	603.82	36.02	217.10	2,670.97	164.32	44.79	2,880.08
Metropolitan	92.47	81.32	39.67	41.29	254.76	50.06	12.09	316.90
Ventura	530.34	478.99	39.07	96.15	1,144.55	319.62	76.70	1,540.87
Southern California Area	97.89	86.01	39.28	46.12	269.30	52.91	12.60	334.80
<b>ALL AREAS</b>	<b>56.39</b>	<b>48.29</b>	<b>20.59</b>	<b>25.33</b>	<b>150.61</b>	<b>38.94</b>	<b>7.85</b>	<b>197.40</b>

<sup>a</sup> Hypothetical charges, which, if assessed on all Table A water delivered to date, all surplus water delivered prior to May 1, 1973, and all Table A water estimated to be delivered during the remainder of the project repayment period (Table B-5B), would provide a sum at the end of the period financially equivalent to all Transportation Charge and Delta Water Charge payments required under a water supply contract, considering interest at the Project Interest Rate, 4.610 percent per annum.



**TABLE B-25 Equivalent Unit Transportation Costs of Water Delivered from or through Each Aqueduct Reach<sup>a</sup>**  
(in dollars per acre-foot)

Aqueduct Reach	Unit Cost of Reach <sup>b</sup>						Cumulative Unit Costs from the Delta					
	Capital Costs	Water System Revenue Bond Surcharge <sup>c</sup>	Minimum OMP&R	Off-Aqueduct Costs	Variable OMP&R	Total	Capital Costs	Water System Revenue Bond Surcharge <sup>c</sup>	Minimum OMP&R	Off-Aqueduct Costs	Variable OMP&R	Total
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]
<b>NBA</b>												
1	45.71	15.21	17.63	2.50	1.37	82.42	45.71	15.21	17.63	2.50	1.37	82.42
2	48.65	16.18	7.71	0.00	0.00	72.54	94.36	31.39	25.34	2.50	1.37	154.96
3A	8.67	2.88	15.33	4.53	2.22	33.63	103.03	34.27	40.67	7.03	3.59	188.59
3B	55.78	18.56	34.65	3.81	4.93	117.73	150.14	49.95	59.99	6.31	6.30	272.69
<b>SBA</b>												
1	7.99	2.66	20.67	5.62	5.14	42.08	10.22	3.40	24.74	8.35	7.54	54.25
2	0.75	0.25	2.33	0.00	0.00	3.33	10.97	3.65	27.07	8.35	7.54	57.58
4	2.51	0.83	3.98	0.00	0.00	7.32	13.48	4.48	31.05	8.35	7.54	64.90
5	5.28	1.76	3.12	0.00	0.00	10.16	18.76	6.24	34.17	8.35	7.54	75.06
6	0.31	0.10	0.33	0.00	0.00	0.74	19.07	6.34	34.50	8.35	7.54	75.80
7	2.34	0.78	0.60	0.00	0.00	3.72	21.41	7.12	35.10	8.35	7.54	79.52
8	3.17	1.05	1.00	0.00	0.00	5.22	24.58	8.17	36.10	8.35	7.54	84.74
9	6.56	2.18	3.75	0.00	0.00	12.49	31.14	10.35	39.85	8.35	7.54	97.23
<b>CA</b>												
1	2.23	0.74	4.07	2.73	2.40	12.17	2.23	0.74	4.07	2.73	2.40	12.17
2A	1.42	0.47	0.80	0.00	0.00	2.69	3.65	1.21	4.87	2.73	2.40	14.86
2B	0.73	0.24	0.40	0.00	0.00	1.37	4.38	1.45	5.27	2.73	2.40	16.23
3	0.63	0.21	0.30	0.00	0.00	1.14	5.01	1.66	5.57	2.73	2.40	17.37
4	1.01	0.34	2.02	1.31	1.09	5.77	6.02	2.00	7.59	4.04	3.49	23.14
5	0.78	0.26	0.40	0.00	0.00	1.44	6.80	2.26	7.99	4.04	3.49	24.58
6	0.20	0.07	0.20	0.00	0.00	0.47	7.00	2.33	8.19	4.04	3.49	25.05
7	1.16	0.39	0.49	0.00	0.00	2.04	8.16	2.72	8.68	4.04	3.49	27.09
8C	0.02	0.01	0.09	0.00	0.00	0.12	8.18	2.73	8.77	4.04	3.49	27.21
8D	0.45	0.15	0.39	0.00	0.00	0.99	8.63	2.88	9.16	4.04	3.49	28.20
9	0.38	0.13	0.36	0.00	0.00	0.87	9.01	3.01	9.52	4.04	3.49	29.07
10A	0.40	0.13	0.47	0.00	0.00	1.00	9.41	3.14	9.99	4.04	3.49	30.07
11B	0.59	0.20	0.30	0.00	0.00	1.09	10.00	3.34	10.29	4.04	3.49	31.16
12D	0.55	0.18	0.27	0.00	0.00	1.00	10.55	3.52	10.56	4.04	3.49	32.16
12E	0.39	0.13	0.46	0.00	0.00	0.98	10.94	3.65	11.02	4.04	3.49	33.14
13B	0.83	0.28	0.53	0.00	0.00	1.64	11.77	3.93	11.55	4.04	3.49	34.78
14A	3.22	1.07	4.08	2.31	2.05	12.73	14.99	5.00	15.63	6.35	5.54	47.51
14B	0.51	0.17	0.50	0.00	0.00	1.18	15.50	5.17	16.13	6.35	5.54	48.69
14C	0.42	0.14	0.37	0.00	0.00	0.93	15.92	5.31	16.50	6.35	5.54	49.62
15A	2.38	0.79	4.25	2.83	2.22	12.47	18.30	6.10	20.75	9.18	7.76	62.09
16A	3.95	1.31	6.59	6.14	5.19	23.18	22.25	7.41	27.34	15.32	12.95	85.27
17E	13.32	4.43	18.51	21.49	19.15	76.90	35.57	11.84	45.85	36.81	32.10	162.17
17F	3.45	1.15	0.23	0.00	0.00	4.83	39.02	12.99	46.08	36.81	32.10	167.00
18A	3.10	1.03	2.22	0.00	-2.01	4.34	42.12	14.02	48.30	36.81	30.09	171.34
19	2.29	0.76	1.35	0.00	0.00	4.40	44.41	14.78	49.65	36.81	30.09	175.74
19C	2.49	0.83	0.00	0.00	0.00	3.32	46.90	15.61	49.65	36.81	30.09	179.06
20A	1.82	0.61	2.22	0.00	0.00	4.65	48.72	16.22	51.87	36.81	30.09	183.71
20B	2.21	0.74	1.46	0.00	0.00	4.41	50.93	16.96	53.33	0.00	30.09	151.31
21	1.12	0.37	1.02	0.00	0.00	2.51	52.05	17.33	54.35	0.00	30.09	153.82
22A	1.16	0.39	0.53	0.00	0.00	2.08	53.21	17.72	54.88	0.00	30.09	155.90
22B	11.42	3.80	14.32	6.39	6.31	42.24	64.63	21.52	69.20	6.39	36.40	198.14
23	3.14	1.04	0.99	0.00	-2.57	2.60	67.77	22.56	70.19	6.39	33.83	200.74
24	6.09	2.03	2.78	0.00	0.00	10.90	73.86	24.59	72.97	6.39	33.83	211.64
25	4.44	1.48	0.16	0.00	0.00	6.08	78.30	26.07	73.13	6.39	33.83	217.72
26A	4.85	1.61	9.28	0.00	-17.51	(1.77)	83.15	27.68	82.41	6.39	16.32	215.95
28G	9.03	3.00	3.51	0.00	0.00	15.54	92.18	30.68	85.92	6.39	16.32	231.49
28H	8.69	2.89	3.68	0.00	0.00	15.26	100.87	33.57	89.60	6.39	16.32	246.75
28J	97.52	32.44	51.18	0.00	0.00	181.14	198.39	66.01	140.78	6.39	16.32	427.89
<b>EBX</b>												
1	N/A	0.00	0.17	0.00	0.00	0.17	N/A	27.68	82.58	6.39	16.32	132.97
2A	N/A	0.00	1.45	0.00	0.00	1.45	N/A	27.68	84.04	6.39	16.32	134.43
2B	N/A	0.00	57.94	7.51	27.98	93.43	N/A	27.68	141.97	13.90	44.30	227.86
2C	N/A	0.00	4.14	0.00	0.00	4.14	N/A	27.68	146.12	13.90	44.30	232.00
2D	N/A	0.00	0.00	0.00	0.00	0.00	N/A	27.68	146.12	13.90	44.30	232.00
2E	N/A	0.00	0.00	0.00	0.00	0.00	N/A	27.68	146.12	13.90	44.30	232.00
3A	N/A	0.00	122.46	9.06	29.57	161.09	N/A	27.68	268.58	22.96	73.87	393.09
3B	N/A	0.00	4.57	0.00	0.00	4.57	N/A	27.68	273.15	22.96	73.87	397.66
4A	N/A	0.00	4.88	0.00	0.00	4.88	N/A	27.68	278.03	22.96	73.87	402.54
4B	N/A	0.00	51.44	1.16	8.11	60.71	N/A	27.68	329.47	24.12	81.99	463.25
<b>WB</b>												
29A	4.52	1.50	10.63	2.89	2.25	21.79	43.54	14.49	56.71	39.70	34.35	188.79
29F	3.30	1.10	1.27	0.00	0.00	5.67	46.84	15.59	57.98	39.70	34.35	194.46
29G	10.96	3.65	6.04	0.00	-8.10	12.55	57.80	19.24	64.02	39.70	26.25	207.01
29H	6.83	2.27	5.73	0.00	0.00	14.83	64.63	21.51	69.75	39.70	26.25	221.84
29J	11.44	3.81	1.65	0.00	-15.14	1.76	76.07	25.32	71.40	39.70	11.11	223.60
30	18.36	6.11	5.14	0.00	0.00	29.61	94.43	31.43	76.54	39.70	11.11	253.21
<b>CB</b>												
31A	8.31	2.76	24.27	2.11	1.93	39.38	16.94	5.64	33.43	6.15	5.42	67.58
33A	310.37	103.25	45.77	14.62	25.29	499.30	327.31	108.89	79.20	20.77	30.71	566.88
34	221.75	73.77	1.27	0.00	0.00	296.79	549.06	182.66	80.47	20.77	30.71	863.67
35	0.00	0.00	0.00	0.00	0.00	0.00	549.06	182.66	80.47	20.77	30.71	863.67

<sup>a</sup> Representative of transportation unit costs only; does not include a unit cost of conservation. The Delta Water Rate should be added to these values in order to approximate unit costs at canalside. Includes surplus water prior to May 1, 1973.

<sup>b</sup> Hypothetical charges which, if assessed on all Table A water delivered to date, all surplus water delivered prior to May 1, 1973, and all Table A water estimated to be delivered during the remainder of the project repayment period (Table B-5B), would provide a sum at the end of the period financially equivalent to all Transportation Charges required under the water supply contract considering interest rate at the Project Interest Rate of 4.610 percent per annum.

<sup>c</sup> The Water System Revenue Bond (WSRB) Surcharge equivalent unit rate is calculated by multiplying Column 1 by the ratio of the 2018 WSRB surcharge to the sum of the Transportation Capital and the Capital component of the Delta Water Charge.

**TABLE B-26 Capital Costs of Each Aqueduct Reach to be Reimbursed through the Capital Cost Component of the East Branch Enlargement Transportation Charge Phase 1 and Phase 2 (in dollars)**

Calendar Year	CALIFORNIA AQUEDUCT							
	MOJAVE DIVISION							
	Reach 18A	Reach 19	Reach 20A	Reach 20B	Reach 21	Reach 22A	Reach 22B	Reach 23B
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	
1952	0	0	0	0	0	0	0	0
1953	0	0	0	0	0	0	0	0
1954	0	0	0	0	0	0	0	0
1955	0	0	0	0	0	0	0	0
1956	0	0	0	0	0	0	0	0
1957	0	0	0	0	0	0	0	0
1958	0	0	0	0	0	0	0	0
1959	0	0	0	0	0	0	0	0
1960	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0
1979	117,000	0	0	0	0	0	0	0
1980	200,000	0	0	0	0	0	0	74,000
1981	135,000	0	0	0	0	0	0	385,000
1982	1,503,000	0	0	0	0	0	0	1,586,000
1983	2,260,000	0	0	0	0	0	0	2,965,000
1984	735,000	0	0	0	0	0	796,000	1,380,000
1985	93,000	435,000	75,000	544,000	859,000	703,000	970,000	146,000
1986	784,000	4,477,000	3,144,000	2,234,000	1,569,000	1,203,000	1,808,000	34,000
1987	11,000	951,000	1,076,000	666,000	399,000	47,000	16,421,000	43,000
1988	1,000	125,000	1,681,000	1,730,000	2,024,000	40,000	13,326,000	70,000
1989	0	206,000	2,089,000	2,174,000	2,510,000	61,000	11,242,000	229,000
1990	1,000	577,000	903,000	735,000	928,000	194,000	20,131,000	887,000
1991	1,000	280,000	413,000	333,000	422,000	93,000	20,702,000	1,215,000
1992	0	40,000	41,000	39,000	35,000	13,000	9,599,000	3,719,000
1993	0	19,000	16,000	19,000	12,000	6,000	2,319,000	19,654,000
1994	0	2,000	3,000	2,000	4,000	3,000	803,000	3,173,000
1995	0	0	0	0	0	0	223,000	1,465,000
1996	0	0	0	0	0	0	6,014,000	478,000
1997	0	0	0	0	0	0	404,000	1,327,000
1998	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0
2006	0	4,366	0	22,095	37,971	0	67,871	0
2007	0	34,564	0	174,915	300,601	0	537,312	0
2008	0	67,077	0	339,450	583,367	0	1,042,743	0
2009	0	90,089	0	455,906	783,502	0	1,400,476	0
2010	0	21,120	0	106,881	183,682	0	328,324	0
2011	0	16,403	0	83,011	142,660	0	254,998	0
2012	0	26,143	0	132,299	227,364	0	406,404	0
2013	0	690	0	3,492	6,002	0	10,728	0
2014	0	4,290	0	21,708	37,307	0	66,685	0
2015	0	3,519	0	17,808	30,604	0	54,704	0
2016	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0
<b>2018</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
2019	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>5,841,000</b>	<b>7,380,261</b>	<b>9,441,000</b>	<b>9,833,565</b>	<b>11,095,061</b>	<b>2,363,000</b>	<b>108,928,245</b>	<b>38,830,000</b>

**TABLE B-26 Capital Costs of Each Aqueduct Reach to be Reimbursed through the Capital Cost Component of the East Branch Enlargement Transportation Charge Phase 1 and Phase 2 (in dollars)**

Sheet 2 of 2

Calendar Year	CALIFORNIA AQUEDUCT (continued)							GRAND TOTAL
	MOJAVE DIVISION (continued)			SANTA ANA DIVISION				
	Reach 23C	Reach 24	Total	Reach 25	Reach 26A	Reach 26B	Total	
[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	
1952	0	0	0	0	0	0	0	0
1953	0	0	0	0	0	0	0	0
1954	0	0	0	0	0	0	0	0
1955	0	0	0	0	0	0	0	0
1956	0	0	0	0	0	0	0	0
1957	0	0	0	0	0	0	0	0
1958	0	0	0	0	0	0	0	0
1959	0	0	0	0	0	0	0	0
1960	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0
1967	0	0	0	0	0	0	0	0
1968	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0
1979	0	0	117,000	0	0	0	0	117,000
1980	0	0	274,000	0	0	0	0	274,000
1981	0	0	520,000	0	0	0	0	520,000
1982	0	0	3,089,000	0	0	0	0	3,089,000
1983	0	0	5,225,000	0	0	0	0	5,225,000
1984	0	0	2,911,000	0	0	0	0	2,911,000
1985	0	0	3,825,000	0	528,000	89,000	617,000	4,442,000
1986	25,000	0	15,278,000	0	1,926,000	154,000	2,080,000	17,358,000
1987	178,000	0	19,792,000	0	3,699,000	437,000	4,136,000	23,928,000
1988	632,000	0	19,629,000	0	5,667,000	3,329,000	8,996,000	28,625,000
1989	1,130,000	0	19,641,000	0	40,879,000	1,650,000	42,529,000	62,170,000
1990	2,066,000	0	26,422,000	0	29,853,000	1,650,000	31,503,000	57,925,000
1991	4,980,000	0	28,439,000	0	26,027,000	999,000	27,026,000	55,465,000
1992	11,920,000	0	25,406,000	0	15,317,000	299,000	15,616,000	41,022,000
1993	16,303,000	0	38,348,000	0	4,878,000	0	4,878,000	43,226,000
1994	7,081,000	0	11,071,000	0	3,151,000	0	3,151,000	14,222,000
1995	5,350,000	0	7,038,000	0	2,137,000	0	2,137,000	9,175,000
1996	1,706,000	0	8,198,000	0	9,181,000	0	9,181,000	17,379,000
1997	1,905,000	0	3,636,000	0	175,000	0	175,000	3,811,000
1998	28,000	0	28,000	0	0	0	0	28,000
1999	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0
2006	0	0	132,302	0	0	0	0	132,302
2007	0	0	1,047,392	0	0	0	0	1,047,392
2008	0	0	2,032,638	0	0	0	0	2,032,638
2009	0	0	2,729,973	0	0	0	0	2,729,973
2010	0	0	640,008	0	0	0	0	640,008
2011	0	0	497,072	0	0	0	0	497,072
2012	0	0	792,210	0	0	0	0	792,210
2013	0	0	20,913	0	0	0	0	20,913
2014	0	0	129,990	0	0	0	0	129,990
2015	0	0	106,635	0	0	0	0	106,635
2016	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0
<b>2018</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
2019	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>53,304,000</b>	<b>0</b>	<b>247,016,132</b>	<b>0</b>	<b>143,418,000</b>	<b>8,607,000</b>	<b>152,025,000</b>	<b>399,041,132</b>

**TABLE B-27 Minimum OMP&R Costs of Each Aqueduct Reach to be Reimbursed through Minimum OMP&R Component of the East Branch Enlargement Transportation Charge Phase 1 and Phase 2 (in dollars)**

Sheet 1 of 2

Calendar Year	CALIFORNIA AQUEDUCT							
	MOJAVE DIVISION							
	Reach 18A	Reach 19	Reach 20A	Reach 20B	Reach 21	Reach 22A	Reach 22B	Reach 23B
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]
1971	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	1,048,625	0
1995	0	0	0	0	0	0	953,814	0
1996	0	0	0	0	0	0	1,171,411	0
1997	0	0	0	0	0	0	1,110,038	0
1998	0	0	0	0	0	0	1,213,002	0
1999	1,229	517	646	409	383	169	668,466	0
2000	4,452	1,875	2,340	1,484	1,386	614	1,310,774	0
2001	347	146	183	116	108	48	1,034,428	0
2002	1,639	690	861	546	510	226	1,533,205	0
2003	0	0	0	0	0	0	1,818,330	0
2004	2,132	27,868	18,579	18,731	10,355	8,528	1,473,712	0
2005	1,243	16,250	10,833	10,922	6,038	4,973	1,028,465	0
2006	3,279	42,860	28,573	28,807	15,926	13,116	1,464,704	0
2007	0	0	0	0	0	0	1,407,641	0
2008	0	0	0	0	0	0	2,054,203	0
2009	(4)	(46)	(31)	(31)	(17)	(14)	1,718,626	0
2010	(1)	(8)	(5)	(5)	(3)	(2)	1,808,494	0
2011	0	0	0	0	0	0	1,898,122	0
2012	4	54	36	36	20	17	1,908,193	0
2013	0	0	0	0	0	0	1,989,690	0
2014	231	3,023	2,015	2,032	1,123	925	2,501,292	0
2015	(697)	(9,108)	(6,072)	(6,122)	(3,385)	(2,787)	2,627,155	0
2016	0	0	0	0	0	0	2,888,120	0
2017	0	0	0	0	0	0	2,494,079	0
<b>2018</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,961,060</b>	<b>0</b>
2019	0	0	0	0	0	0	3,237,223	0
2020	0	0	0	0	0	0	3,237,223	0
2021	0	0	0	0	0	0	3,237,223	0
2022	0	0	0	0	0	0	3,237,223	0
2023	0	0	0	0	0	0	3,237,223	0
2024	0	0	0	0	0	0	3,237,223	0
2025	0	0	0	0	0	0	3,237,223	0
2026	0	0	0	0	0	0	3,237,223	0
2027	0	0	0	0	0	0	3,237,223	0
2028	0	0	0	0	0	0	3,237,223	0
2029	0	0	0	0	0	0	3,237,223	0
2030	0	0	0	0	0	0	3,237,223	0
2031	0	0	0	0	0	0	3,237,223	0
2032	0	0	0	0	0	0	3,237,223	0
2033	0	0	0	0	0	0	3,237,223	0
2034	0	0	0	0	0	0	3,237,223	0
2035	0	0	0	0	0	0	3,237,223	0
<b>TOTAL</b>	<b>13,855</b>	<b>84,122</b>	<b>57,959</b>	<b>56,926</b>	<b>32,445</b>	<b>25,812</b>	<b>97,118,439</b>	<b>0</b>

**TABLE B-27 Minimum OMP&R Costs of Each Aqueduct Reach to be Reimbursed through Minimum OMP&R Component of the East Branch Enlargement Transportation Charge Phase 1 and Phase 2 (in dollars)**

Sheet 2 of 2

Calendar Year	CALIFORNIA AQUEDUCT (continued)							GRAND TOTAL
	MOJAVE DIVISION (continued)			SANTA ANA DIVISION				
	Reach 23C	Reach 24	Subtotal	Reach 25	Reach 26A <sup>a</sup>	Reach 26B	Subtotal	
	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]
1971	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0
1994	0	0	1,048,625	0	1,713,260	0	1,713,260	2,761,885
1995	0	0	953,814	0	1,452,549	0	1,452,549	2,406,363
1996	0	0	1,171,411	0	1,350,581	0	1,350,581	2,521,992
1997	679,826	0	1,789,864	0	1,528,509	0	1,528,509	3,318,373
1998	825,038	0	2,038,040	0	1,619,068	0	1,619,068	3,657,108
1999	382,178	0	1,053,997	0	956,229	0	956,229	2,010,227
2000	735,392	0	2,058,318	0	1,406,680	0	1,406,680	3,464,998
2001	812,064	0	1,847,440	0	798,363	0	798,363	2,645,802
2002	727,222	0	2,264,899	0	1,130,735	0	1,130,735	3,395,634
2003	899,530	0	2,717,859	0	1,234,283	0	1,234,283	3,952,142
2004	913,367	0	2,473,273	0	1,806,947	0	1,806,947	4,280,220
2005	1,036,431	0	2,115,156	0	1,850,269	0	1,850,269	3,965,425
2006	837,967	0	2,435,233	0	1,760,147	0	1,760,147	4,195,380
2007	1,304,590	0	2,712,231	0	2,794,232	0	2,794,232	5,506,463
2008	1,056,077	0	3,110,280	0	2,703,400	0	2,703,400	5,813,680
2009	1,529,591	0	3,248,074	0	2,832,688	0	2,832,688	6,080,763
2010	1,434,301	0	3,242,771	0	2,411,279	0	2,411,279	5,654,050
2011	1,813,653	0	3,711,776	0	2,101,292	0	2,101,292	5,813,068
2012	1,255,363	0	3,163,724	0	2,309,162	0	2,309,162	5,472,886
2013	1,503,045	0	3,492,735	0	2,755,300	0	2,755,300	6,248,034
2014	1,889,846	0	4,400,487	0	3,275,793	0	3,275,793	7,676,281
2015	1,953,191	0	4,552,174	0	4,425,825	0	4,425,825	8,977,999
2016	2,199,962	0	5,088,082	0	3,922,276	0	3,922,276	9,010,358
2017	1,957,199	0	4,451,278	0	4,095,035	0	4,095,035	8,546,313
<b>2018</b>	<b>2,175,004</b>	<b>0</b>	<b>5,136,064</b>	<b>0</b>	<b>3,764,632</b>	<b>0</b>	<b>3,764,632</b>	<b>8,900,696</b>
2019	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2020	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2021	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2022	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2023	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2024	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2025	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2026	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2027	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2028	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2029	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2030	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2031	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2032	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2033	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2034	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
2035	2,446,488	0	5,683,711	0	3,859,528	0	3,859,528	9,543,239
<b>TOTAL</b>	<b>69,511,135</b>	<b>0</b>	<b>166,900,693</b>	<b>0</b>	<b>121,610,509</b>	<b>0</b>	<b>121,610,509</b>	<b>288,511,202</b>

<sup>a</sup> Units 3 and 4 at Devil Canyon Powerplant were operational in 1993.

**TABLE B-28 Capital Costs of East Branch Enlargement Transportation Facilities Allocated to Each Contractor Phase 1 and Phase 2 (in dollars)**

Calendar Year	SOUTHERN CALIFORNIA AREA							Total
	AVEK	Coachella	Desert	Mojave	Palmdale	San Bernardino	Metropolitan	
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]
1971	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0
1979	0	11,731	1,010	10,566	466	0	93,227	117,000
1980	0	28,241	4,708	27,495	797	0	212,759	274,000
1981	0	56,134	16,676	61,271	538	0	385,381	520,000
1982	0	326,180	76,872	337,913	5,988	0	2,342,047	3,089,000
1983	0	554,658	138,964	582,070	9,004	0	3,940,304	5,225,000
1984	0	306,514	68,842	314,468	2,928	0	2,218,248	2,911,000
1985	49,675	447,266	65,773	347,262	4,514	21,614	3,505,896	4,442,000
1986	185,353	1,757,633	236,324	1,363,586	41,900	78,842	13,694,362	17,358,000
1987	49,735	2,455,279	378,535	1,774,447	10,615	151,421	19,107,968	23,928,000
1988	124,534	2,689,959	500,466	1,712,431	13,783	231,982	23,351,845	28,625,000
1989	155,446	7,118,094	2,423,000	1,671,088	17,419	1,673,409	49,111,544	62,170,000
1990	62,786	6,459,229	1,943,918	2,234,452	8,680	1,222,053	45,993,882	57,925,000
1991	28,686	6,265,822	1,875,066	2,168,712	4,024	1,065,433	44,057,257	55,465,000
1992	2,911	4,826,764	1,610,921	1,359,335	471	627,012	32,594,586	41,022,000
1993	1,205	5,094,237	1,828,410	2,722,156	212	199,684	33,380,096	43,226,000
1994	273	1,726,376	631,816	478,543	27	128,988	11,255,977	14,222,000
1995	0	1,130,963	423,243	206,978	0	87,480	7,326,336	9,175,000
1996	0	2,025,987	645,296	606,205	0	375,830	13,725,682	17,379,000
1997	0	451,011	154,366	205,796	0	7,164	2,992,663	3,811,000
1998	0	3,551	1,293	0	0	0	23,156	28,000
1999	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0
2006	1,368	13,170	1,134	11,862	103	0	104,665	132,302
2007	10,827	104,265	8,976	93,908	819	0	828,597	1,047,392
2008	21,011	202,344	17,420	182,243	1,589	0	1,608,031	2,032,638
2009	28,220	271,762	23,397	244,765	2,134	0	2,159,695	2,729,973
2010	6,616	63,711	5,485	57,382	500	0	506,314	640,008
2011	5,138	49,482	4,260	44,567	389	0	393,236	497,072
2012	8,189	78,862	6,789	71,028	619	0	626,723	792,210
2013	216	2,082	179	1,875	16	0	16,545	20,913
2014	1,344	12,940	1,114	11,655	102	0	102,835	129,990
2015	1,102	10,615	914	9,561	83	0	84,360	106,635
2016	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0
<b>2018</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
2019	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>744,635</b>	<b>44,544,862</b>	<b>13,095,167</b>	<b>18,913,620</b>	<b>127,720</b>	<b>5,870,912</b>	<b>315,744,217</b>	<b>399,041,133</b>

**TABLE B-29 Capital Cost Component of East Branch Enlargement Facilities Transportation Charge for Each Contractor<sup>a,b</sup> (in dollars)**

Calendar Year	SOUTHERN CALIFORNIA AREA							Total
	AVEK	Coachella	Desert	Mojave	Palmdale	San Bernardino <sup>c</sup>	Metropolitan	
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]
1971	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0
1988	18,266	1,209,293	360,156	502,810	3,356	0	8,552,529	10,646,410
1989	19,176	1,269,524	378,094	527,854	3,523	0	8,978,504	11,176,675
1990	19,186	1,270,244	378,308	528,153	3,525	0	8,983,597	11,183,013
1991	19,187	1,270,261	378,314	528,160	3,525	0	8,983,717	11,183,164
1992	38,420	2,543,616	757,549	1,057,606	7,059	0	17,989,315	22,393,565
1993	40,029	2,650,139	789,274	1,101,897	7,354	0	18,742,682	23,331,375
1994	39,705	2,628,706	782,890	1,092,986	7,295	0	18,591,099	23,142,681
1995	39,632	2,623,828	781,438	1,090,958	7,281	0	18,556,603	23,099,740
1996	39,825	2,636,667	785,261	1,096,296	7,317	0	18,647,406	23,212,772
1997	41,743	2,763,629	823,074	1,149,085	7,669	0	19,545,322	24,330,522
1998	42,642	2,823,126	840,793	1,173,823	7,834	0	19,966,108	24,854,326
1999	44,738	2,961,887	882,120	1,231,519	8,219	0	20,947,475	26,075,958
2000	49,031	3,246,109	966,768	1,349,695	9,008	0	22,957,586	28,578,197
2001	49,048	3,247,263	967,111	1,350,175	9,011	0	22,965,748	28,588,356
2002	47,894	3,170,848	944,353	1,318,402	8,799	0	22,425,318	27,915,614
2003	40,765	2,698,871	803,787	1,122,160	7,489	0	19,087,337	23,760,409
2004	44,199	2,926,222	871,498	1,216,690	8,120	0	20,695,237	25,761,966
2005	33,144	2,194,299	653,514	912,364	6,089	0	15,518,826	19,318,236
2006	46,979	3,110,276	926,313	1,293,217	8,631	0	21,996,926	27,382,342
2007	45,289	2,998,370	892,985	1,246,688	8,321	0	21,205,488	26,397,141
2008	42,491	2,813,118	837,813	1,169,662	7,806	0	19,895,328	24,766,218
2009	43,670	2,891,182	861,062	1,202,121	8,023	0	20,447,424	25,453,482
2010	44,839	2,968,619	884,125	1,234,318	8,238	0	20,995,084	26,135,223
2011	43,190	2,859,419	851,602	1,188,914	7,935	0	20,222,785	25,173,845
2012	43,704	2,893,449	861,737	1,203,063	8,029	0	20,463,459	25,473,441
2013	37,663	2,493,469	742,614	1,036,756	6,919	0	17,634,660	21,952,081
2014	39,985	2,647,224	788,406	1,100,685	7,346	0	18,722,067	23,305,713
2015	44,642	2,955,568	880,238	1,228,892	8,202	0	20,902,785	26,020,327
2016	45,025	2,952,620	878,340	1,230,001	8,218	0	20,886,144	26,000,348
2017	68,023	4,389,688	1,310,045	1,811,034	12,144	0	31,012,447	38,603,381
<b>2018</b>	<b>66,209</b>	<b>4,284,695</b>	<b>1,279,366</b>	<b>1,765,979</b>	<b>11,840</b>	<b>0</b>	<b>30,267,339</b>	<b>37,675,428</b>
2019	66,541	4,295,054	1,282,367	1,770,076	11,872	0	30,339,849	37,765,759
2020	65,273	4,187,628	1,248,748	1,730,048	11,609	0	29,589,307	36,832,613
2021	66,330	4,281,512	1,278,384	1,764,290	11,832	0	30,243,747	37,646,095
2022	64,001	4,123,966	1,231,029	1,700,146	11,405	0	29,132,341	36,262,888
2023	52,926	3,379,820	1,007,972	1,395,246	9,370	0	23,878,747	29,724,081
2024	55,272	3,550,845	1,059,537	1,464,840	9,829	0	25,085,485	31,225,808
2025	63,096	4,039,506	1,204,082	1,670,205	11,209	0	28,545,334	35,533,432
2026	26,058	1,586,112	471,781	655,672	4,433	0	11,205,843	13,949,899
2027	26,512	1,618,235	481,615	668,192	4,517	0	11,431,309	14,230,380
2028	18,235	1,051,241	310,264	440,265	2,997	0	7,437,405	9,260,407
2029	18,680	1,099,258	325,537	457,638	3,108	0	7,771,989	9,676,210
2030	20,307	195,564	16,836	176,137	1,536	0	1,554,155	1,964,535
2031	20,236	194,875	16,778	175,516	1,530	0	1,548,678	1,957,613
2032	20,276	195,266	16,811	175,869	1,534	0	1,551,790	1,961,546
2033	20,251	195,026	16,790	175,652	1,531	0	1,549,876	1,959,126
2034	20,283	195,325	16,816	175,921	1,534	0	1,552,251	1,962,130
2035	20,293	195,420	16,825	176,008	1,535	0	1,553,008	1,963,089
<b>TOTAL</b>	<b>1,922,909</b>	<b>118,776,882</b>	<b>35,141,120</b>	<b>49,833,684</b>	<b>335,506</b>	<b>0</b>	<b>840,757,459</b>	<b>1,046,767,560</b>

<sup>a</sup> 1988 through 2016 charges are debt service only and do not include bond cover; 2017 charges and after include both debt service and bond cover.

<sup>b</sup> East Branch Enlargement Phase 2 debt service schedule starts in 2016, and this table is the sum of East Branch Enlargement Phase 1 and Phase 2 capital charges for each contractor.

<sup>c</sup> Under Article 49(d)(4)(A) of its contract, San Bernardino Valley Municipal Water District elected to pay a portion of its allocated costs of East Branch Enlargement in advance rather than to participate in payment of Water System Revenue Bonds. This election was made via a letter of agreement signed June 1, 1987. As of June 1999, \$6,347,938 has been received from the San Bernardino Valley Municipal Water District.

**TABLE B-30 Minimum OMP&R Component of East Branch Enlargement Facilities Transportation Charge for Each Contractor (in dollars)**

Calendar Year	SOUTHERN CALIFORNIA AREA							Total
	AVEK	Coachella	Desert	Mojave	Palmdale	San Bernardino	Metropolitan	
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]
1971	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0
1994	0	320,415	101,486	95,075	0	70,133	2,174,776	2,761,885
1995	0	278,176	86,604	86,479	0	59,461	1,895,643	2,406,363
1996	0	287,293	82,991	106,208	0	55,287	1,990,213	2,521,992
1997	0	389,636	123,446	100,643	0	62,571	2,642,077	3,318,373
1998	0	429,772	135,927	109,979	0	66,278	2,915,152	3,657,108
1999	37	236,006	75,040	60,907	11	39,144	1,599,082	2,010,227
2000	132	402,818	121,284	119,930	40	57,583	2,763,211	3,464,998
2001	10	307,323	89,527	93,873	3	32,682	2,122,384	2,645,802
2002	49	388,806	107,887	139,410	15	46,287	2,713,180	3,395,634
2003	0	451,900	123,861	164,862	0	50,526	3,160,993	3,952,142
2004	1,278	499,301	153,131	141,292	265	73,969	3,410,984	4,280,220
2005	745	471,965	156,985	97,723	154	75,742	3,162,111	3,965,425
2006	1,965	487,548	147,442	144,604	407	72,053	3,341,361	4,195,380
2007	0	657,550	223,135	127,626	0	114,384	4,383,768	5,506,463
2008	0	679,733	212,365	186,248	0	110,665	4,624,669	5,813,680
2009	(2)	722,197	238,293	155,809	0	115,958	4,848,508	6,080,763
2010	0	666,324	211,945	163,968	0	98,707	4,513,106	5,654,050
2011	0	684,580	213,521	172,096	0	86,018	4,656,853	5,813,068
2012	2	640,882	199,041	173,024	1	94,527	4,365,409	5,472,886
2013	0	736,427	235,244	180,399	0	112,790	4,983,174	6,248,034
2014	139	903,175	285,688	227,616	29	134,097	6,125,537	7,676,281
2015	(418)	1,064,390	351,407	235,687	(87)	181,174	7,145,846	8,977,999
2016	0	1,061,590	338,147	261,856	0	160,561	7,188,204	9,010,358
2017	0	1,012,804	332,839	226,130	0	167,633	6,806,907	8,546,313
<b>2018</b>	<b>0</b>	<b>1,045,998</b>	<b>329,124</b>	<b>268,469</b>	<b>0</b>	<b>154,108</b>	<b>7,102,997</b>	<b>8,900,696</b>
2019	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2020	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2021	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2022	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2023	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2024	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2025	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2026	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2027	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2028	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2029	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2030	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2031	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2032	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2033	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2034	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
2035	0	1,120,126	349,171	293,508	0	157,992	7,622,442	9,543,239
<b>TOTAL</b>	<b>3,937</b>	<b>33,868,751</b>	<b>10,612,267</b>	<b>8,829,549</b>	<b>838</b>	<b>4,978,202</b>	<b>230,217,658</b>	<b>288,511,202</b>



**TABLE B-31 Total East Branch Enlargement Facilities Transportation Charge for Each Contractor (in dollars)**

Calendar Year	SOUTHERN CALIFORNIA AREA							Total
	AVEK	Coachella	Desert	Mojave	Palmdale	San Bernardino	Metropolitan	
1971	[1] 0	[2] 0	[3] 0	[4] 0	[5] 0	[6] 0	[7] 0	[8] 0
1972	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0
1988	18,266	1,209,293	360,156	502,810	3,356	0	8,552,529	10,646,410
1989	19,176	1,269,524	378,094	527,854	3,523	0	8,978,504	11,176,675
1990	19,186	1,270,244	378,308	528,153	3,525	0	8,983,597	11,183,013
1991	19,187	1,270,261	378,314	528,160	3,525	0	8,983,717	11,183,164
1992	38,420	2,543,616	757,549	1,057,606	7,059	0	17,989,315	22,393,565
1993	40,029	2,650,139	789,274	1,101,897	7,354	0	18,742,682	23,331,375
1994	39,705	2,949,121	884,376	1,188,061	7,295	70,133	20,765,875	25,904,566
1995	39,632	2,902,004	868,042	1,177,437	7,281	59,461	20,452,246	25,506,103
1996	39,825	2,923,960	868,252	1,202,504	7,317	55,287	20,637,619	25,734,764
1997	41,743	3,153,265	946,520	1,249,728	7,669	62,571	22,187,399	27,648,895
1998	42,642	3,252,898	976,720	1,283,802	7,834	66,278	22,881,260	28,511,434
1999	44,775	3,197,893	957,160	1,292,426	8,230	39,144	22,546,557	28,086,185
2000	49,163	3,648,927	1,088,052	1,469,625	9,048	57,583	25,720,797	32,043,195
2001	49,058	3,554,586	1,056,638	1,444,048	9,014	32,682	25,088,132	31,234,158
2002	47,943	3,559,654	1,052,240	1,457,812	8,814	46,287	25,138,498	31,311,248
2003	40,765	3,150,771	927,648	1,287,022	7,489	50,526	22,248,330	27,712,551
2004	45,477	3,425,523	1,024,629	1,357,982	8,385	73,969	24,106,221	30,042,186
2005	33,889	2,666,264	810,499	1,010,087	6,243	75,742	18,680,937	23,283,661
2006	48,944	3,597,824	1,073,755	1,437,821	9,038	72,053	25,338,287	31,577,722
2007	45,289	3,655,920	1,116,120	1,374,314	8,321	114,384	25,589,256	31,903,604
2008	42,491	3,492,851	1,050,178	1,355,910	7,806	110,665	24,519,997	30,579,898
2009	43,668	3,613,379	1,099,355	1,357,930	8,023	115,958	25,295,932	31,534,245
2010	44,839	3,634,943	1,096,070	1,398,286	8,238	98,707	25,508,190	31,789,273
2011	43,190	3,543,999	1,065,123	1,361,010	7,935	86,018	24,879,638	30,986,913
2012	43,706	3,534,331	1,060,778	1,376,087	8,030	94,527	24,828,868	30,946,327
2013	37,663	3,229,896	977,858	1,217,155	6,919	112,790	22,617,834	28,200,115
2014	40,124	3,550,399	1,074,094	1,328,301	7,375	134,097	24,847,604	30,981,994
2015	44,224	4,019,958	1,231,645	1,464,579	8,115	181,174	28,048,631	34,998,326
2016	45,025	4,014,210	1,216,487	1,491,857	8,218	160,561	28,074,348	35,010,706
2017	68,023	5,402,492	1,642,884	2,037,164	12,144	167,633	37,819,354	47,149,694
2018	<b>66,209</b>	<b>5,330,693</b>	<b>1,608,490</b>	<b>2,034,448</b>	<b>11,840</b>	<b>154,108</b>	<b>37,370,336</b>	<b>46,576,124</b>
2019	66,541	5,415,180	1,631,538	2,063,584	11,872	157,992	37,962,291	47,308,998
2020	65,273	5,307,754	1,597,919	2,023,556	11,609	157,992	37,211,749	46,375,852
2021	66,330	5,401,638	1,627,555	2,057,798	11,832	157,992	37,866,189	47,189,334
2022	64,001	5,244,092	1,580,200	1,993,654	11,405	157,992	36,754,783	45,806,127
2023	52,926	4,499,946	1,357,143	1,688,754	9,370	157,992	31,501,189	39,267,320
2024	55,272	4,670,971	1,408,708	1,758,348	9,829	157,992	32,707,927	40,769,047
2025	63,096	5,159,632	1,553,253	1,963,713	11,209	157,992	36,167,776	45,076,671
2026	26,058	2,706,238	820,952	949,180	4,433	157,992	18,828,285	23,493,138
2027	26,512	2,738,361	830,786	961,700	4,517	157,992	19,053,751	23,773,619
2028	18,235	2,171,367	659,435	733,773	2,997	157,992	15,059,847	18,803,646
2029	18,680	2,219,384	674,708	751,146	3,108	157,992	15,394,431	19,219,449
2030	20,307	1,315,690	366,007	469,645	1,536	157,992	9,176,597	11,507,774
2031	20,236	1,315,001	365,949	469,024	1,530	157,992	9,171,120	11,500,852
2032	20,276	1,315,392	365,982	469,377	1,534	157,992	9,174,232	11,504,785
2033	20,251	1,315,152	365,961	469,160	1,531	157,992	9,172,318	11,502,365
2034	20,283	1,315,451	365,987	469,429	1,534	157,992	9,174,693	11,505,369
2035	20,293	1,315,546	365,996	469,516	1,535	157,992	9,175,450	11,506,328
<b>TOTAL</b>	<b>1,926,846</b>	<b>152,645,633</b>	<b>45,753,387</b>	<b>58,663,233</b>	<b>336,344</b>	<b>4,978,202</b>	<b>1,070,975,117</b>	<b>1,335,278,762</b>