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January 29, 2021

**ADVICE 123-W  
(U 338-W)**

**PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA  
WATER DIVISION**

**SUBJECT:** Revisions to Schedule FWY, Fresh Water Yield and Rule 3,  
Application for Service

Southern California Edison Company (SCE) hereby submits to the California Public Utilities Commission (Commission) the following changes to its Santa Catalina Island (Catalina) water tariffs. The revised tariffs are listed on Attachment A and are attached hereto.

**PURPOSE**

In accordance with Resolution W-4665 (Resolution), SCE respectfully submits this advice letter to modify SCE Water Tariff Schedule FWY – Fresh Water Yield (Schedule FWY) and Rule 3 – Application For Service (Rule 3), for water service on Santa Catalina Island (Catalina or Island) to align with the Revised Ground Water Modeling Study (Study) for SCE's Catalina Water Utility submitted in Advice 64-W pursuant to the Resolution.

SCE proposes these changes to its water tariffs to:

- Modify the boundaries of the Integrated Fresh Water System;
- Define a methodology for determining water availability for allocation purposes as supply and demand conditions change over time; and
- Allow historical usage levels to be considered in calculating the water requirement of a customer proposing to change their existing facilities and water allocation.

## **BACKGROUND AND DISCUSSION**

SCE's Catalina water system is comprised of four distinct systems across the Island:<sup>1</sup>

- Middle Ranch-Avalon-Toyon Integrated Fresh Water System (Middle Ranch-Avalon)
- Isthmus-West End Integrated Fresh Water System (Isthmus-West End)
- Whites Landing Isolated Fresh Water System (Whites Landing)
- Blackjack Isolated Fresh Water System (Blackjack)

Whites Landing and Blackjack are considered Isolated Fresh Water Systems and are not listed in Advice 64-W. The other two systems, Middle Ranch-Avalon-Toyon and Isthmus-West End, are currently combined in Schedule FWY as the Integrated Fresh Water System. The main system is Middle Ranch-Avalon-Toyon, serving the primary demand center of Avalon (including Hamilton Cove), adjacent camps and coves, and customers in Middle Ranch. The second largest system is the Isthmus-West End system, serving the USC Marine Lab, community of Two Harbors, camps and coves on the west end, and several customers supplied directly from the Two Harbors pipeline. In this Advice Letter, SCE proposes to modify Schedule FWY to recognize the current physical isolation of the Middle Ranch-Avalon-Toyon and Isthmus-West End systems.

On December 12, 1989, SCE submitted Application (A.)89-12-019 to Increase Water System Capacity and Revise Fresh Water Allocation Procedures on Santa Catalina Island.<sup>2</sup> The purpose of A.89-12-019 was to add the new Desalination Plant and Toyon Canyon Well to SCE's list of production facilities and increase the Safe Annual Yield (SAY) for the Integrated Fresh Water System in recognition of these new sources.

On May 4, 1990, the Commission issued Decision (D.)90-05-033, authorizing SCE to immediately increase the SAY of the Catalina water system to 515 acre-feet per year<sup>3</sup> and subsequently increase the SAY to 600 acre-feet per year upon completion of the desalination project.<sup>4</sup> On May 14, 1990, SCE submitted Advice Letter 43-W, filing changes to water tariffs pursuant to D.90-05-033. Among these changes was the establishment of water tariff Schedule FWY.

On December 9, 2005, SCE submitted Advice W000144, requesting authority to increase water rates for Catalina water customers. On November 1, 2007, the Commission issued Resolution W-5665 authorizing a general rate increase for Catalina water customers. The Resolution also required that SCE submit a ground water

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<sup>1</sup> See Attachment D for a map showing the Catalina water systems.

<sup>2</sup> A.89-12-019 was amended on December 28, 1989.

<sup>3</sup> D.90-05-033, Ordering Paragraph No. 2.

<sup>4</sup> D.90-05-033, Ordering Paragraph 1; the agreement for the construction and installation of a desalination facility between SCE and Hamilton Cove Associates Limited Partnership referenced in D.90-05-033 was amended on March 30, 1992.

modeling study to the Commission within 180 days of the effective date of the Resolution demonstrating whether a revision to SCE's safe annual yield is warranted.<sup>5</sup>

On April 29, 2008, SCE submitted Advice 64-W Submission of a Revised Ground Water Modeling Study (Study) for SCE's Catalina Water Utility. On May 28, 2008, the Commission's Water Division issued its acceptance of Advice 64-W with an effective date of May 29, 2008.

### ***Water Tariff Schedule FWY – Fresh Water Yield***

SCE's list of water sources and capacities is housed within Schedule FWY. The Study submitted in Advice 64-W effectively modified the sources and capacities included under Schedule FWY. However, the Schedule FWY tariff was never updated to reflect the results of the Study accepted in Advice 64-W. SCE has made the appropriate modifications to Schedule FWY in the present submittal to align with the results of the Study.

SCE has additionally modified Schedule FWY to define the physical isolation points within the Integrated Fresh Water System. This is a further modification to Schedule FWY than was authorized in the Resolution. The modification results in the delineation of Integrated Fresh Water System by subsystem and facilities as summarized in in Table 1 below.

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<sup>5</sup> Resolution W-4665, Ordering Paragraph 11.

**Table 1**  
**Revised Integrated Fresh Water System Capacities**

Line No.	Subsystem	Facility <sup>1</sup>	Values (acre-feet per year)
1	Middle Ranch- Avalon-Toyon	Middle Ranch Wells	372
2		Pebbly Beach Desalination Facility	111
3		Toyon Canyon Well	16
4		Bullrush Well	24
5		Eagles Nest Well	32
6		<b>Subtotal</b>	<b>555</b>
7		Leakage	-44
8		<b>Subtotal (with Leakage)</b>	<b>511</b>
9	Isthmus-West End	Cottonwood Canyon Wells	52
10		Howlands Landing Wells	32
11		Sweetwater Well	13
12		<b>Subtotal</b>	<b>97</b>
13		Leakage	-8
14		<b>Subtotal (with Leakage)</b>	<b>89</b>
15	<b>Total</b>	<b>600</b>	

<sup>1</sup> Some names reflect updated terminology from the list contained in Advice 64-W

SCE has added a Special Condition to Schedule FWY to describe the methodology for determining water availability as supply and demand conditions change over time. The water availability methodology is detailed in Attachment A. An illustrative example of the water availability calculation using the revised methodology is provided in Attachment E. The current results of the methodology are summarized in Table 2 below.<sup>6</sup> Current supply and demand trends calculate a deficit of 36,900 gallons per day on a maximum day basis.

**Table 2**  
**Water Balance (Middle Ranch-Avalon-Toyon System, December 2019)**

	Average Day (gallons per day)	Maximum Day (gallons per day)	Peak 4-hour (gallons per hour)
<b>Water Availability</b>	24,300	-36,900	21,930

**Water Tariff Rule No. 3 – Application For Service**

SCE’s process for reviewing fresh water allocation requests is defined in Water Tariff Rule 3. SCE has modified Rule 3 to allow historical usage levels of existing facilities to

be considered when a customer requests a change in service. Under the revised Rule 3, if a customer proposed change in water allocation, when added to the customer's reduced historical water use, results in a value less than the Rule 3 formula for that type of structure, a water allocation may be assigned. The revised process allows SCE to expand consideration for new allocation requests with customers on the fresh water allocation wait list.

## **PROPOSED TARIFF CHANGES**

SCE's Water Rule Number 3 – Application For Service, is modified as reflected in Attachment A.

Schedule FWY, Fresh Water Yield, is modified as reflected in Attachment A.

The modifications to Schedule FWY and Rule Number 3 included in this advice letter are made pursuant to the Resolution and consistent with Advice 64-W and present operational constraints.

This advice filing will not increase any rate or charge, cause the withdrawal of service, or conflict with any other schedule or rule.

## **INDEX OF ATTACHMENTS**

- Attachment A – Tariff Sheets
- Attachment B – SCE Advice Letter 64-W
- Attachment C – Public Water System 1910006 List of Approved Sources
- Attachment D – Map of Catalina's Integrated Fresh Water System
- Attachment E – Water Availability Methodology Illustrative Example

## **TIER DESIGNATION**

Pursuant to General Order (GO) 96-B, General Rule 5.1 and Water Industry Rule 7.3.1; this advice filing is submitted with a Tier 2 designation.

## **EFFECTIVE DATE**

SCE requests that this advice filing be effective 30 days after the date of this submittal, February 28, 2021, consistent with General Order 96-B, General Rule 7.3.4 and Water Industry Rule 7.3.2.

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<sup>6</sup> Water availability calculated as of December 31, 2019.

## **NOTICE**

Anyone wishing to protest this advice filing may do so by letter via U.S. Mail, facsimile, or electronically, any of which must be received no later than 20 days after the date of this advice filing. Protests should be submitted to:

Director, Water Division  
California Public Utilities Commission  
505 Van Ness Avenue  
San Francisco, California 94102  
E-mail: [water\\_division@cpuc.ca.gov](mailto:water_division@cpuc.ca.gov)  
Facsimile: (415) 703-2200

In addition, protests and all other correspondence regarding this advice letter should also be sent by letter and transmitted via facsimile or electronically to the attention of:

Gary A. Stern, Ph.D.  
Managing Director, State Regulatory Operations  
Southern California Edison Company  
8631 Rush Street  
Rosemead, California 91770  
Facsimile: (626) 302-6396  
Telephone: (626) 302-9645  
E-mail: [AdviceTariffManager@sce.com](mailto:AdviceTariffManager@sce.com)

and

Tara S. Kaushik  
Managing Director, Regulatory Relations  
c/o Karyn Gansecki  
Southern California Edison Company  
601 Van Ness Avenue, Suite 2030  
San Francisco, California 94102  
Facsimile: (415) 929-5544  
E-mail: [Karyn.Gansecki@sce.com](mailto:Karyn.Gansecki@sce.com)

There are no restrictions on who may file a protest, but the protest shall set forth specifically the grounds upon which it is based and shall be submitted expeditiously.

SCE is serving copies of this advice filing to the service list for interested parties shown on the attached GO 96-B and A.10-11-009 service lists in accordance with Water Industry Rule 4.1 of GO 96-B. Address change requests to the GO 96-B service list should be directed by electronic mail to [AdviceTariffManager@sce.com](mailto:AdviceTariffManager@sce.com) or at (626) 302-4039. For changes to all other service lists, please contact the Commission's Process Office at (415) 703-2021 or by electronic mail at [Process\\_Office@cpuc.ca.gov](mailto:Process_Office@cpuc.ca.gov).

Further, in accordance with Public Utilities Code Section 491, notice to the public is hereby given by filing and keeping the advice filing at SCE's corporate headquarters. To view other SCE advice letters filed with the Commission, log on to SCE's web site at <https://www.sce.com/wps/portal/home/regulatory/advice-letters>.

For questions, please contact Cooper Cameron at (626) 302-3406 or by electronic mail at [Cooper.Cameron@sce.com](mailto:Cooper.Cameron@sce.com).

**Southern California Edison Company**

/s/ Gary A. Stern, Ph.D.  
Gary A. Stern, Ph.D.

GAS:cc:jm  
Enclosures





**CALIFORNIA PUBLIC UTILITIES COMMISSION  
DIVISION OF WATER AND AUDITS**

**Advice Letter Cover Sheet**

Schedules FWY

Schedules FWY

Rules 3

Rules 3

Rules 3

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APPROVED

WITHDRAWN

REJECTED

Signature: \_\_\_\_\_

Comments: \_\_\_\_\_

Date: \_\_\_\_\_

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Schedule No. FWY  
FRESH WATER YIELD

Sheet 1

APPLICABILITY

Applicable to all fresh water service provided from the Integrated Fresh Water System.

TERRITORY

Santa Catalina island, Los Angeles County.

RATES

Acre-Feet  
Per Year

Total fresh water resources from the Integrated Fresh Water System available for allocation		(T)
Middle Ranch Avalon Toyon System.....	511	(N)
Isthmus West End System .....	89	(N)

SPECIAL CONDITIONS

1. Integrated Fresh Water System. The Integrated Fresh Water System is that system which supplies fresh water from the production facilities listed below:

<u>Middle Ranch-Avalon-Toyon System</u>	(N)
Middle Ranch Wells	(T)
Pebble Beach Desalination Facility	(N)
Toyon Canyon Well	
Bullrush Well	
Eagle's Nest Well	
 <u>Isthmus-West End System</u>	(N)
Cottonwood Canyon Wells	
Howland's Landing Wells	(T)
Sweetwater Well	
	(L)

(Continued)

(To be inserted by utility)  
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Issued by  
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Senior Vice President

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Schedule No. FWY  
FRESH WATER YIELD

Sheet 2

(Continued)

SPECIAL CONDITIONS (Continued)

2. Integrated Fresh Water System. Water availability for fresh water allocations assigned pursuant to Water Tariff Rule 3 will be calculated using the variables listed below. Water allocations may be assigned by SCE in its sole discretion if the calculation methodology results in a surplus of allocable water on an annual and maximum day basis. (N)
- Source Capacity:** Total amount of water supply available, expressed as a flow, from all sources permitted for use.
- Demand:** Historical average day, maximum day, and 4-hour peak hourly water demand. Demand includes at least 10 years of metered sales, water loss factor, and committed allocations.
- Water Loss:** The percent of non-revenue water by volume of water supplied, calculated using the American Water Works Association's (AWWA) water audit software methodology.
- Committed Allocations:** Allocations assigned by SCE that are not fully reflected in the metered sales history. (N)
3. Isolated Fresh Water Systems. Fresh water production facilities that are not listed in Special Condition No. 1, above, are considered Isolated Fresh Water Systems. Fresh water from Isolated Fresh Water Systems is not included in the Safe Annual Yield of the Integrated Fresh Water System and this Schedule does not apply to an Isolated Fresh Water System. (L)(T)  
(L)

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 Senior Vice President

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Rule No. 3  
APPLICATION FOR SERVICE

Sheet 1

A. Application for Service

1. Content

Each applicant for service may be required to sign, on a form provided by the Utility, an application which will set forth:

- a. Date and place of application.
- b. Location of premises to be served.
- c. Date applicant will be ready for service.
- d. Whether the premises have been heretofore supplied with water by the Utility.
- e. Purpose for which service is to be used.
- f. Address to which bills are to be mailed or delivered.
- g. Whether applicant is owner or tenant of, or agent for the premises.
- h. Rate schedule desired where optional rates are in effect.
- i. Such other information as the Utility may reasonably require.

2. Purpose

The application is merely a written request for service and does not bind the applicant to take service for a period of time longer than that upon which the flat rate charge, minimum charge, or readiness to serve charge of the applicable rate schedule is based; neither does it bind the Utility to serve, except under reasonable conditions.

B. Individual Liability for Joint Service

Two or more parties who join in one application for service shall be jointly and severally liable for payment of bills and shall be billed by means of single periodic bills.

C. Change in Customer's Equipment of Operations

A customer making any material change in the size, character or extent of the equipment or operations for which the Utility's service is utilized shall immediately give the Utility written notice of the extent and nature of the change.

D. Santa Catalina Island Fresh Water Allocation Plan

1. Fresh Water Allocation provisions shall be applicable for all fresh water service provided from the respective subsystem in the Integrated Fresh Water System (T) described in Special Condition No. 1 of Schedule FWY, Fresh Water Yield, except for periods when fresh water conservation and rationing stages, as set forth in Rule 14.1, Santa Catalina Island Fresh Water Rationing Plan, are in effect. During water rationing the following will apply:

(Continued)

(To be inserted by utility)

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Rule No. 3  
APPLICATION FOR SERVICE

Sheet 4

(Continued)

D. Santa Catalina Island Fresh Water Allocation Plan (Continued)

2. Fresh Water Allocation (Continued)

b. The Company shall maintain, and hold open for public inspection at the Company's Santa Catalina Island Office, a first-come, first-served Fresh Water Allocation List and shall provide fresh water service on a first-come, first-served basis, within the respective subsystem, and up to or within the limit of the safe annual yield, set forth in Schedule FWY, as authorized by the California Public Utilities Commission to: (T)

- (i) new service connections, or
- (ii) existing service connections where a change in the customer's facilities or fresh water use will result in an additional fresh water requirement.

c. The customer shall notify the Company, in writing, whenever a new service connection is planned, or if a change in the customer's existing facilities or fresh water use is planned. For a change in a customer's existing facilities, the Company may consider historical usage levels in calculating the overall water requirement. If this calculation results in a value less than the Rule 3 formula for that type of structure, the Company may update the customer's Fresh Water Allocation on a case-by-case basis. (T)

3. Fresh Water Allocation Process

a. When fresh water is available, determined as described in Special Condition 2 of Schedule FWY, up to or within the limit of the safe annual yield: (T)

All applicants for new service connections or an increased water allocation to an existing connection shall provide the Company with a completed water questionnaire and such other information as the Company may request to establish the applicant's fresh water needs. Applicants will then be placed on the Company's Fresh Water Allocation List and may be granted a water allocation by the Company, unless the applicant requires a building permit from either the City of Avalon or the County of Los Angeles.

Applicants for fresh water service who require a building permit to complete their service connection and are under the jurisdiction of the City of Avalon, must first contact the City and obtain an authorization for consideration of a water allocation. Upon obtaining an authorization for consideration of a water allocation from the City and providing the Company with a completed water questionnaire, as specified above, the applicant will be placed on the Company's Fresh Water Allocation List and may be granted a water allocation by the Company.

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(To be inserted by utility)

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Rule No. 3  
APPLICATION FOR SERVICE

Sheet 5

(Continued)

D. Santa Catalina Island Fresh Water Allocation Plan (Continued)

3. Fresh Water Allocation Process (Continued)

a. (Continued)

Applicants for fresh water service who require a building permit to complete their service connection and are under the jurisdiction of the County of Los Angeles, will be placed on the Company's Fresh Water Allocation List, within the respective subsystem, and may be granted a water allocation when the applicant provides evidence acceptable to the Company of an approved request for a building permit from the County of Los Angeles and a completed water questionnaire, as specified above. (T)

b. When fresh water is not available from the Company because demand for fresh water exceeds the limit of the safe annual yield, or for any other reason:

All applicants for new service connections or an increased water allocation to an existing connection shall provide the Company with a completed water questionnaire and such other information as the Company may request to establish the applicant's fresh water needs. Unless the applicant requires a building permit from either the City of Avalon or the County of Los Angeles, the applicant will be placed on the Company's Fresh Water Allocation List. The Company will notify the applicant when the Company determines that enough fresh water is available to serve the applicant's needs in order of eligibility

Applicants for fresh water service who require a building permit to complete their service connection and are under the jurisdiction of the City of Avalon, must first contact the City. The Company will place the applicant on the Fresh Water Allocation List when the City notifies the Company that the applicant is eligible to be placed on the Fresh Water allocation List. The Company will notify the applicant and the City when the Company determines that enough fresh water is available to grant a water allocation to the applicant. The applicant, upon notification from the City, shall provide the Company with a completed water questionnaire as specified above.

Applicants for fresh water service who require a building permit to complete their service connection and are under the jurisdiction of the County of Los Angeles, will be placed on the Company's Fresh Water Allocation List when the applicant notifies the Company, in writing, of the need for fresh water service and provides evidence acceptable to the Company of the scope of the project. The Company will notify the applicant when the Company determines that enough fresh water is available to serve the applicant's needs. The applicant, upon notification from the Company, shall provide the Company with a completed water questionnaire as specified above.

(Continued)

(To be inserted by utility)

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Southern California Edison  
Rosemead, California

Revised Cal. PUC Sheet No. 1255-W  
Cancelling Revised Cal. PUC Sheet No. 1219-W

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(To be inserted by utility)

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Senior Vice President

(To be inserted by Cal. PUC)

Date Filed Jan 29, 2021  
Effective \_\_\_\_\_  
Resolution W-4665

**ATTACHMENT B**

***SCE Advice Letter 64-W***

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



MAY 28 2008

May 22, 2008

REVENUE & TARIFFS DEPT.

File No. 602-19

Akbar Jazayeri  
Vice President, Regulatory Operations  
Southern California Edison Company  
PO Box 800  
Rosemead, CA 91770

Dear Mr. Jazayeri:

The Commission has received and filed the utility's Advice Letter No. 64-W that was submitted in compliance with Resolution W-4665 dated November 1, 2007.

Enclosed is a copy of the advice letter, with an effective date of May 29, 2008, for the utility's files.

Very truly yours,

A handwritten signature in cursive script, appearing to read "J. Babaran".

JOSIE R. BABARAN  
Staff Services Analyst  
Water & Sewer Advisory Branch

Enclosures

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April 29, 2008

**ADVICE 64-W**  
**(U 338-W)**

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA  
WATER DIVISION

**SUBJECT:** Submission of a Revised Ground Water Modeling Study for  
SCE's Catalina Water Utility

**PURPOSE**

In compliance with Resolution W-4665 (Resolution) authorizing a general rate increase for water service on Santa Catalina Island (Catalina), Southern California Edison Company (SCE) hereby submits for filing an update to its ground water modeling study to determine whether a revision to its safe annual yield is warranted.

**BACKGROUND**

On December 9, 2005, SCE filed Advice W000144 to request authority under Section VI of General Order (GO) 96-A and Section 454 of the Public Utilities Code to increase authorized water revenues for SCE on Catalina, a Class C water utility, by 248 percent or \$3,220,390 over 2005 revenues, for a 9.07 percent return on rate base for Test Year 2006. The purpose of the rate increase was to recover increased operating expenses and to provide an adequate rate of return on plant investment. SCE proposed that the 2006 revenue increase be phased in over a three-year period in order to mitigate the impact of this rate increase on its Catalina water service customers. SCE included a proposal to modify its existing rate design for water service on Catalina to include a third tier volumetric rate, for high usage customers, to encourage conservation of water resources.

The Resolution, issued on November 1, 2007, authorized an increase of \$2,569,390, or 198 percent relative to 2005 revenues, for an 8.77 percent return on rate base for Test Year 2006. This results in Test Year 2006 revenue of \$3,870,000. In order to mitigate the impacts on Catalina customers, the authorized revenue requirement increase will be phased in over four years from 2007 to 2010. The Resolution also adopted rates for 2007 and 2008 and approved SCE's proposal to change the current two-tier rate

structure to a three-tier structure. SCE implemented authorized 2007 rates on November 15, 2007 (Advice 59-W) and authorized 2008 rates on January 1, 2008 (Advice 60-W).

Ordering Paragraph 11 of the Resolution requires that SCE file an advice letter and submit a ground water modeling study to the Commission within 180 days of the effective date of the resolution demonstrating whether a revision to SCE's safe annual yield is warranted.

No cost information is required for this advice filing.

This advice filing will not increase any rate or charge, cause the withdrawal of service, or conflict with any other schedule or rule.

### **STUDY RESULTS**

Based on an update to the safe annual yield study performed by SCE in 1990, SCE does not believe a revision to the current safe annual yield of 600 acre-feet is warranted at this time.

The currently authorized safe annual yield of 600 acre-feet consists of the following water sources:

<b>Water Source</b>	<b>Values (acre-feet)</b>
Middle Ranch Reservoir	372
Cottonwood	52
Howland's Landing	32
Poultry Farm Tunnel	7
Golf Links Tunnel	3
Bullrush	24
Eagle's Nest	32
Sweetwater	13
St. Catherine's	16
Toyon	16
Desalination Plant	85
Subtotal	652
Leakage	(52)
Total	600

Since the time this safe annual yield was authorized in 1990, no new water sources have been developed on Santa Catalina Island. In fact, several of the water sources included in this safe annual yield are no longer providing water to the system and should be removed from the calculation. Sources no longer providing water include the St. Catherine wells, the Poultry Farm tunnels, and the Golf Links tunnels.

The St. Catherine wells have not operated for nearly twenty years, and are not presently equipped with pumps. Because of this inactivity, these wells would require significant rehabilitation in order to be made operational, and it is possible these wells would not produce even if returned to service.. In that case, additional wells would need to be constructed and original wells abandoned.

The Poultry Farms and Golf Links Tunnels derive their water from natural springs equipped with spring boxes, and the water is conveyed through pipelines laid in small tunnels. These systems have not operated in years and may no longer be operational. Development of water from these springs would require construction of production wells, conveyance piping and electrical power lines.

Removal of these three sources of water reduces the safe annual yield total to 574 acre-feet a year. SCE recommends that this shortfall be made up by increasing the safe annual yield of the desalination plant, which SCE believes is capable of safely producing more than the 85 acre-feet included in the authorized 1990 safe annual yield.

Based on the information above, SCE proposes revising the safe annual yield as shown in the table below:

<b>Water Source</b>	<b>1990 Totals (acre feet)</b>	<b>2008 Totals (acre feet)</b>
Middle Ranch Reservoir	372	372
Cottonwood	52	52
Howland's Landing	32	32
Poultry Farm Tunnel	7	0
Golf Links Tunnel	3	0
Bullrush	24	24
Eagle's Nest	32	32
Sweetwater	13	13
St. Catherine's	16	0
Toyon	16	16
Desalination Plant	85	111
Subtotal	652	652
Leakage	(52)	(52)
<b>Total</b>	<b>600</b>	<b>600</b>

Production data for sources included in the study have been relatively consistent over the past four years, averaging an annual water production level of 585.4 acre-feet per year from 2004-2007. The annual production level, by source, is included in the following table:

<b>(in acre feet)</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>4-Yr Avg</b>
Middle Ranch Well 1A	125.8	136.7	111.7	31.5	101.4
Middle Ranch Well 5A	81.9	94.2	57.4	131.9	91.4
Middle Ranch Well 6	112.8	101.5	162.4	207.4	146.0
Cottonwood Well 1A	23.5	38.5	33.0	28.8	31.0
Cottonwood Well 2	22.5	4.9	16.4	6.8	12.7
Howland's Landing	33.4	33.6	42.5	36.0	36.4
Poultry Farm Tunnel	0.0	0.0	0.0	0.0	0.0
Golf Links Tunnel	0.0	0.0	0.0	0.0	0.0
Bullrush	8.9	6.9	5.9	0.0	5.4
Eagle's Nest	0.0	0.0	0.0	0.0	0.0
Sweetwater	20.0	1.0	13.9	8.8	10.9
St. Catherine's	0.0	0.0	0.0	0.0	0.0
Toyon	15.1	17.6	14.7	13.2	15.2
Desalination Plant	154.2	131.6	140.1	114.6	135.1
Total Production	598.1	566.5	598.0	579.0	585.4

**TIER DESIGNATION**

Pursuant to D.07-01-024, Water Industry Rule 7.3.1(3), this advice letter is submitted with a Tier 1 designation.

**EFFECTIVE DATE**

This advice filing will become effective on May 29, 2008, the 30<sup>th</sup> calendar day after the date filed.

**NOTICE**



Anyone wishing to protest this advice filing may do so by letter via U.S. Mail, facsimile, or electronically, any of which must be received no later than 20 days after the date of this advice filing. Protests should be mailed to:

Director, Water Division  
CPUC  
505 Van Ness Avenue  
San Francisco, California 94102  
E-mail: [water\\_division@cpuc.ca.gov](mailto:water_division@cpuc.ca.gov)  
Facsimile: (415) 703-2200

Copies should also be mailed to the attention of the Director, Energy Division, Room 4004 (same address above).

In addition, protests and all other correspondence regarding this advice letter should also be sent by letter and transmitted via facsimile or electronically to the attention of:

Akbar Jazayeri  
Vice President of Regulatory Operations  
Southern California Edison Company  
2244 Walnut Grove Avenue  
Rosemead, California 91770  
Facsimile: (626) 302-4829  
E-mail: [AdviceTariffManager@sce.com](mailto:AdviceTariffManager@sce.com)

Bruce Foster  
Senior Vice President, Regulatory Affairs  
c/o Karyn Gansecki  
Southern California Edison Company  
601 Van Ness Avenue, Suite 2040  
San Francisco, California 94102  
Facsimile: (415) 673-1116  
E-mail: [Karyn.Gansecki@sce.com](mailto:Karyn.Gansecki@sce.com)

There are no restrictions on who may file a protest, but the protest shall set forth specifically the grounds upon which it is based and shall be submitted expeditiously.

In accordance with Section 4, General Order No. 96-B, SCE is serving copies of this advice filing to the interested parties shown on the attached GO 96-B and Resolution W-4665 service lists. Address change requests to the GO 96-B service list should be directed by electronic mail to [AdviceTariffManager@sce.com](mailto:AdviceTariffManager@sce.com) or at (626) 302-4039. For changes to all other service lists, please contact the Commission's Process Office at (415) 703-2021 or by electronic mail at [Process\\_Office@cpuc.ca.gov](mailto:Process_Office@cpuc.ca.gov).

Further, in accordance with Public Utilities Code Section 491, notice to the public is hereby given by filing and keeping the advice filing at SCE's corporate headquarters.

To view other SCE advice letters filed with the Commission, log on to SCE's web site at <http://www.sce.com/AboutSCE/Regulatory/adviceletters>.

For questions, please contact Daniel Marsh at (626) 302-6586 or by electronic mail at [Daniel.marsh@sce.com](mailto:Daniel.marsh@sce.com).

**Southern California Edison Company**

Akbar Jazayeri

AJ:dm:jm  
Enclosures

**ATTACHMENT C**

***Public Water System 1910006 List of Approved Sources***

## Public Water System 1910006 – List of Approved Sources

Source	PS Code	Status
Blackjack Well 01	1910006-023	Active
Cottonwood Well 02	1910006-005	Active
Cottonwood Well 01A	1910006-006	Active
Howlands Landing Well 01	1910006-012	Active
Sweetwater Canyon Well 01A	1910006-014	Active
Middle Ranch Well 01A	1910006-016	Active
Middle Ranch Well 05A	1910006-031	Active
Middle Ranch Well 06A	1910006-030	Active
Toyon Canyon Well 03	1910006-019	Active
Whites Landing Well	1910006-020	Active
Quarry Seawater Well 01	1910006-038	Active
Quarry Seawater Well 02	1910006-039	Active
Howlands Landing Well 03R	1910006-044	Active

**ATTACHMENT D**

***Map of Catalina's Integrated Fresh Water System***

# Catalina Island Integrated Fresh Water System



**ATTACHMENT E**

***Water Availability Methodology Illustrative Example***

## Illustrative Example of Water Availability Methodology

AFY: acre feet per year

MGD: million gallons per day

GPH: gallons per hour

Middle Ranch-Avalon-Toyon System Calculation (10-year, 2010-2019)

Variable	Annual (Average Day)		Maximum Day <sup>1</sup>		Peak Hourly <sup>1</sup>		
	(AFY)	(MGD)	(MGD)	(GPH)			
Source Capacity		+ 499	+ 0.4455		+ 1.0303		+ 137,760
Demand (Sales)		- 329.61	- 0.2943		- 0.7537		- 81,800
Water Loss	28.1%	- 128.56	- 0.1148	28.1%	- 0.2940	28.1%	- 31,910
Committed Allocations		- 13.56	- 0.0121		- 0.0195		- 2,120
Balance		+27.27	+0.0243		- 0.0369		+21,930

1. Considers peaking factors of 1.614 (Maximum Day) and 2.605 (Peak Hourly)

### Source Capacity Detail:

Water Source	Annual (Average Day)		Maximum Day	Peak Hourly
	(AFY) <sup>1</sup>	(MGD)	(MGD)	(GPH)
Middle Ranch Wells	350	0.3125	0.7718	32,158
PBGS Desal Facility	136.1	0.1215	0.2470	10,292
Toyon	12.9	0.0115	0.0115	480
Storage	-	-	-	94,830
Total	499	0.4455	1.0303	137,760

1. Comparing these capacities to Advice Letter 64-W, specifically the table of water sources on page 3, the Middle Ranch Wells and Toyon sources decrease by a combined 25.1 AFY and the Desalination Plant (PBGS Desal Facility) increases by 25.1 AFY

### Committed Allocations Detail:

Allocation	Annual (Average Day)		Maximum Day <sup>1</sup>	Peak Hourly <sup>1</sup>
	(AFY)	(MGD)	(MGD)	(GPH)
Hamilton Cove	12.3	0.0110	0.0177	1,923
Trailhead	0.72	0.0006	0.0010	113
151/153 Olive	0.54	0.0005	0.0008	84
Total	13.56	0.0121	0.0195	2,120

1. Considers peaking factors of 1.614 (Maximum Day) and 2.605 (Peak Hourly)