Section 2

Attachments to Entry Form

Exhibit 1  Profile of Sweetwater Dam 1888

Exhibit 2  Chronological Development of Sweetwater Dam 1888-1939

Exhibit 3  Minutes of Sweetwater Authority Governing Board, January 26, 2005 supporting application.

Exhibit 4  Statement of Ownership of Sweetwater Authority and fact sheet
SWEETWATER DAM
CHRONOLOGICAL DEVELOPMENT OF
MAXIMUM CROSS SECTION
(adapted from sketch prepared by H.N. Savage,
Consulting Engineer, in 1928 and revised in 1939).
SWEETWATER AUTHORITY GOVERNING BOARD
MINUTES OF THE REGULAR MEETING

JANUARY 26, 2005

The Governing Board of Sweetwater Authority held a regular meeting on
Wednesday, January 26, 2005, at the Sweetwater Authority Administrative Office, 505
Garrett Avenue, Chula Vista, California. Chair Pocklington called the meeting to order at
3:30 p.m.

- ROLL CALL

Directors Present: Alkire, Beauchamp, Doud, Inzunza, Pocklington, Salas and
Welsh.

Directors Absent: None.

Others Present: General Manager Bostad, Operations Manager Rogers, Legal
Counsel Cowett, Treasurer Avery, and Board Secretary Farpón. Staff members, Mark Molsberry, Bill Olson, George Silva, Jim
Smyth, and Don Thomson.

- PLEDGE OF ALLEGIANCE TO THE FLAG

Director Salas conducted the pledge of allegiance to the flag.

- OPPORTUNITY FOR PUBLIC COMMENT (Government Code Section (54954.3)
There were no members of the public present for comment.

- CHAIR 'S PRESENTATION

There was none.

ACTION CALENDAR ITEMS

1. ITEMS TO BE ADDED, WITHDRAWN, OR REORDERED IN THE AGENDA

General Manager Bostad pointed out that the agenda had been revised to include
the Report of the South Bay Irrigation District and the City of National City Representatives
to the San Diego County Water Authority.

Director Doud made a motion, seconded by Director Alkire, to add the 1st Friday
Mayor's Breakfast on February 4, 2005, as item 7.D. The motion carried.

2. APPROVAL OF MINUTES

Director Beauchamp made a motion, seconded by Director Doud, that the Board
approve the minutes of January 12, 2005. The motion carried.
3. **APPROVAL OF DEMANDS AND WARRANTS**

   Director Alkire made a motion, seconded by Director Salas, that the Governing Board approve Warrants 98182 through 98402 including all voided checks. *The motion carried.*

4. **FINANCE AND PERSONNEL COMMITTEE (Meeting of January 17, 2005)**

   Director Alkire made a motion, seconded by Director Doud, that the Governing Board approve the 2005 membership renewal in Foundation for Cross-Connection Control and the payment of dues in the amount of $1,000. *The motion carried.*

5. **OPERATIONS COMMITTEE (Meeting of January 19, 2005)**

   A. Director Doud made a motion, seconded by Director Welsh, that the Governing Board approve Mr. Hoody’s request for access across the Authority’s property at Loveland Reservoir. The conditions for approval are similar to those granted in the past, including the execution of a license agreement. *The motion carried.*

   B. Director Doud made a motion, seconded by Director Welsh, that the Governing Board approve the submittal of an application to the American Society of Civil Engineers for consideration of Sweetwater Dam in the Society’s historic landmark program. *The motion carried.*

   C. Update of Administration Parking Lot. This was an information item and no action was required by the Governing Board.

6. **REPORT OF THE SOUTH BAY IRRIGATION DISTRICT REPRESENTATIVE AND THE CITY OF NATIONAL CITY REPRESENTATIVE TO THE SAN DIEGO COUNTY WATER AUTHORITY**

   Chairman Pocklington stated that tomorrow’s CWA Board meeting would be the first meeting under the new Chairman, Jim Bond. He reviewed the committee assignments and provided background information on how these committees are formed. He gave an extensive report on issues of interest to Sweetwater Authority included in the agenda for tomorrow’s Board meeting. Some issues that he reported on were the 2005 Urban Water Management Plan; a professional service agreement for the preparation of a Drought Management Plan; an update on desalination negotiations, which will be discussed in Closed Session; and the projected Regional Treatment Capacity Storage. He also commented on the 10-day Aqueduct Maintenance Outage Policy, which conveys a strong recommendation that all member agencies have a 10-day storage for emergencies.
>> Statement of Ownership – Sweetwater Authority

**Organization, Purpose, and Powers**

The Sweetwater Authority (Authority) was formed under a Joint Powers Agreement between National City and South Bay Irrigation District (South Bay) pursuant to Article 1, Chapter 5, Division 7, Title 1 of the Government Code of the State of California. South Bay was established in 1951 pursuant to the Irrigation District Law (Division 11 of the Water Code of the State). National City is a general law city incorporated in 1887. The Joint Powers Agreement was first entered into on February 1, 1972, and was amended on July 22, 1977, and again on April 10, 1990.

The Authority has no taxing power but may otherwise exercise certain common powers of South Bay and National City. The Joint Powers Agreement provides, in general, that the Authority may acquire, own, lease, operate, manage, maintain, and improve the Water System. The agreement grants the Authority several specific powers required to carry out its main purpose.

**Governing Board and Management**

The Authority is governed by a seven-member Governing Board. Two of the members are appointed by the Mayor of National City and confirmed by the City Council of National City. The other five members are the elected members of the South Bay Board of Directors. All Board members serve for four-year terms. The Management team consists of two positions: General Manager and Operations Manager.

The General Manager of the Authority is Dennis Bostad, who is also General Manager of South Bay. Mr. Bostad was selected as General Manager in 2002 upon his predecessor’s retirement. Mr. Bostad has been with the Authority since 1977. The Operations Manager is Mark Rogers. Mr. Rogers was selected to this position in 2002. Previously, he was the General Manager for the California-American Water Company and began employment with the Authority in 2001.

**Employees**

The Authority has 140 full-time employees working within four departments: Administration, Engineering, Water Quality, and Distribution.
> The Water System

History

In 1977, voters in National City and South Bay each authorized $22.5 million of water revenue bonds to acquire the Water System from the California-American Water Company. These bonds were issued by South Bay and the acquisition was carried out through eminent domain proceedings completed in 1977. The Water System was thereupon leased by South Bay to the newly created Authority for management, operations, and maintenance. In 1990, the Authority issued bonds and exercised an option-to-purchase granted to the Authority by South Bay in the original lease and thereupon the Authority became the owner, rather than operating lessee, of the Water System.

Pursuant to the Joint Powers Agreement, South Bay and National City also empowered the Authority (upon its acquisition of the Water System and during the term of the lease thereof or the term of the Joint Powers Agreement, whichever is longer) to order, receive, sell, and distribute through the Water System for use within South Bay and National City all water that South Bay and National City are entitled to purchase from the San Diego County Water Authority (SDCWA), a county water authority of which both South Bay and National City are member agencies, to the extent that the Authority requires the same. The Authority is authorized by South Bay and National City to order such water directly from the SDCWA and to pay SDCWA for such water.

Service Area

The Water System serves the water service territories of South Bay and National City, including the western and northern portions of the City of Chula Vista (west of I-805 to the Pacific Ocean) and National City, plus adjacent unincorporated areas, including the communities of Lincoln Acres, Bonita, Lynwood Hills, and Sunnyside.

The service area, approximately 32.8 square miles, extends southward from the City of San Diego along the eastern shore of San Diego Bay and currently includes several small parcels of land in the City of San Diego served under a contract between the Authority and the City of San Diego. In the event of a water shortage, the Authority is under no obligation to continue service to these parcels.

The Cities of Chula Vista and National City are highly developed, containing a mixture of residential, commercial, and industrial areas, including major shipping complexes and two golf courses. The unincorporated areas to the east contain open space and two golf courses interspersed with residential, office, and commercial developments, plus older neighborhoods devoted to small ranches and horse stables.
> *Existing Facilities*

The Water System includes two major raw water storage facilities with a combined capacity of 53,466 acre-feet and a number of smaller treated water storage facilities. In addition, the Authority owns and operates the Robert A. Perdue Water Treatment Plant (the “Water Treatment Plant”), a desalination facility, the Richard A. Reynolds Groundwater Desalination Facility (the “Desalination Facility”), and the National City Wells.

The two major raw water storage facilities, Loveland Reservoir and Sweetwater Reservoir, are located east of the Water System service area. The Loveland Reservoir constructed in 1945, creates a storage area of 454 acres and a capacity of 25,387 acre-feet. The Sweetwater Reservoir, located downstream from Loveland Dam, covers 936 acres and has an estimated capacity of 28,079 acre-feet. It was originally constructed in 1888. The total watershed area for these two reservoirs is approximately 180 square miles.

The Water Treatment Plant is located adjacent to Sweetwater Reservoir in Spring Valley. Water from the Sweetwater Reservoir and/or SDCWA is treated at the Water Treatment Plant to eliminate color, turbidity, taste and odor, and bacteriological contamination. The plant was originally constructed in 1959 as a 25-million gallon per day (“MGD”) direct filtration plan. The facility included a raw water pump station to deliver water from the reservoir to the plant, four filters, chemical storage and feed equipment, and a 10-million gallon storage reservoir for treated water. In 1985, the plant received upgrades to include flash mixing, two-stage flocculation and sedimentation facilities, as well as additional chemical storage and feed systems. Plant capacity was also increased to 30 MGD. In 1991, the raw water pump station was upgraded with a new motor control center and two new pumps, each with a rated capacity of 15 MGD. Coupled with two existing 6 MGD pumps and one 10 MGD pump, the rated capacity of the pump station was increased to 45 MGD, providing some operational redundancy. Water Treatment Plant capacity remains at 30 MGD.

The Desalination Facility is a fully automated, 4.0 MGD, reverse osmosis treatment plant. There are currently five wells providing brackish groundwater that is directed through a reverse osmosis system.

The National City Wells was originally built in the early 1950s with two deep wells. Water quality is such that only disinfection is required before it is pumped into the system. Pumping from these wells produced nearly 2 MGD without influence to the groundwater table. The original wells have been replaced with two newer wells that can pump nearly 3 MGD.
In addition to Loveland Reservoir, Sweetwater Reservoir and the 10 million gallon treated water reservoir at the Water Treatment Plant, the Water System contains 25 reservoirs with a total capacity of 32.347 million gallons of treated water, the largest of which is the 18 million gallon Bonita Valley Reservoir.

The Water System contains 16 pressure zones. The largest zone is fed by gravity from the Water Treatment Plant and direct connections with two SDCWA aqueducts. The 15 other zones are fed from the gravity zone through 25 pump stations.

The Water System is supplied from the Water Treatment Plant via two major parallel transmission mains, a 36-inch line to Chula Vista and a 42-inch line serving National City, which also interconnects at two separate locations with the 36-inch line. The 42-inch line was completed in 1982-83 and replaced a 24-inch line, which had been in service since 1888. The Water System contains approximately 384 miles of transmission and distribution pipelines.

Additional information regarding the Authority follows on the attached Fact Sheet.