Consent Item E.3.1.
Prepared by Karl Christensen
June 16, 2009

Ratification of Hazardous Waste Disposal of Science Chemicals from Prospect Avenue

BACKGROUND:

As the packing of Prospect Avenue School has been commencing since the May 2, 2009 Capital Improvement Workshop, it has come to the attention of administration that there has been a collection of science chemicals that have accumulated over many years. Keenan and Associates, our property liability insurance representatives, were requested to review what was being stored, at no cost to the District, and have made an assessment and recommendation (see attached letter from Keenan and Associates). There are over 100 containers of various chemicals. The majority of the chemicals are not part of the current science curriculum and haven't been used since 1993. Many are so old that they are unstable and past their shelf life.

The District needs to remove the chemicals before construction begins. Moving the chemicals to the District's maintenance facility until we could get a disposal bid was considered; however, the types and quantities cannot be legally transported on a public roadway. Due to these circumstances, the District worked quickly to get proposals and are recommending North State Environmental to remove and dispose of this hazardous waste properly for approximately $3,000 based on the reduced rates offered to Keenan and Associates.

RECOMMENDATION:

It is recommended that the Board of Education ratify and approve the proper disposal of science chemicals at Prospect Avenue School by North State Environmental.

This recommendation supports the following District goal:

- Pursue actively the funding and resources to fulfill our mission and maintain fiscal solvency.
- Provide facilities that optimize the learning environment for all students.

FISCAL IMPACT:

The fiscal impact of approximately $3,000 is to be paid from the CIP program budget for Prospect Avenue School modernization funded under the hazardous waste removal line item.

STUDENT ACHIEVEMENT IMPACT:

This is a fiscal item. All fiscal resources impact student achievement. This also creates a safe environment for the school once materials are removed.

Motion:		Second:		Vote:		Agenda Item F.3.1.

Keenan
Associates

2355 Crenshaw Blvd.
Suite 200
Torrance, CA 90501
P.O. Box 4328
Torrance, CA 90510

310 212 3344
800 654-8102
310 212-0300 fax
www.keenanassoc.com
License No. 0451271

May 21, 2009

Ms. Christina Becker
SANTEE SCHOOL DISTRICT
9625 Cuyamaca St.
Santee, Ca. 92071

RE: Science Chemicals @ Prospect Ave. School

Dear Christina,

At your request, I visited Prospect Avenue School to assist the District with the disposition of some science chemicals that have recently been located. I did a quick inventory of these chemicals so I could provide you with guidelines for transporting and/or removal of these items. Enclosed is the inventory of those chemicals with approximate quantities. I did not open opaque containers to verify the quantity inside; in those cases I used the container size as the amount.

While I suggest getting rid of all chemicals that will not be used, I do understand the cost associated with disposal of hazardous wastes. If you decide to keep some of these due to cost constraints, please pay particular attention to the Shelf Life column of the enclosed inventory. The enclosed best practices sheet for transporting also includes the explanation of the shelf life. Since these materials have obviously not been stored under ideal conditions, I would suggest the District immediately properly dispose of any chemicals not having an Indefinite (I) or Excellent (E) shelf life code. The most current date on any container noted was 1993, so it appears that most if not all of these chemicals date back at minimum 15 years. If you choose to dispose of some or all of these, it is suggested they be picked up by your disposal contractor at the site they are now at.

If you do decide to transport these chemicals to another location, please refer to the best practices for transporting, also enclosed. However, you should be aware that transporting hazardous waste on public streets requires special permitting. You can refer to the hazard codes on the inventory for segregation purposes, but should take note of a couple of items. First, all corrosives have the same hazard code, but acids need to be separated from bases. The base products can be identified as: hydroxide or hydroxide solutions, ammonia or ammonia solutions & limewater tablets. Acetic acid should be transported and stored separately as it is organic and as such both a corrosive acid and also flammable.

If you decided to keep and store some of these, they should be segregated the same as the transport process and should be stored in appropriate containers, preferably in a cool, dry place. Corrosives

should be separated by acids and bases and stored in approved corrosive cabinets and flammables in approved flammable storage cabinets.

Also enclosed is a bulletin regarding a special pricing agreement Keenan has entered into on behalf of our Property and Liability Pools. When you contact North State Environmental, you need to indicate that you are a member of Southern California ReLiEF to get the negotiated price.

As always, it is a pleasure to be of service to the District in the area of Loss Control/Risk Management. Keenan would like to thank the District for a proactive approach to student and employee health and safety. If there are any questions, please feel free to contact me at (310) 212-0363, x 2625.

Sincerely

Kirk DiPaolo

Kirk DiPaolo
Director, Risk Management/ LC Services

Cc: Minnie Malin, Director Human Resources
Evonn Avila, Business Services
Greg Trapp, Keenan & Associates
Audra Powers, Keenan & Associates
Patricia Swint, Keenan & Associates

Keenan
Associates

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Chemical Transport- Best Practices

1. Segregate chemicals into appropriate compatible family groups.
2. Pack securely in plastic/polyethylene containers with tight fitting lids. Do not exceed 20-25 lbs/container.
3. Use packaging material to keep glass containers from breaking.
4. Filled containers should not be hand carried between buildings. They should be securely placed on rolling carts, dollies, etc. to prevent dropping and/or possible breakage.
5. Have spill kits on hand appropriate to each class of material being moved. If a bottle is dropped and broken during packing, clean up using the approved methods and segregate as hazardous waste for proper disposal.
6. If a box is dropped and glass breaks, seal the entire box and set it aside for proper disposal as hazardous waste.

SHELF LIFE

The life expectancy of science chemicals can be affected by storage conditions. Ideal conditions (25 degrees C at 50% or less relative humidity) will support the maximum shelf life. These times are general and, since storage conditions vary widely, should be taken in that context. The supplied times are from data supplied by Flinn Scientific and Sigma-Aldrich Chemical. These times are for unopened containers; once they have been opened the shelf life will be affected. All chemicals should be dated upon receiving and again with a "first opened" date. All manufacturer/supplier expiration dates should be strictly adhered to.

Any chemical that has changed physical state over time, either a crystal/powder/etc. becoming liquefied or a liquid that has begun to crystallize should be set aside for immediate proper disposal.

- **P (poor)**- generally the shelf life is less than 1 year. The substance does not store well under reasonable conditions.
- **F (fair)**- Shelf life is approximately 1-3 years, if stored under reasonable conditions.
- **G (good)**- 3-5 years if stored under reasonable conditions the substance should have a long, useful shelf life.
- **E (excellent)**- 5-10 years; the substance should have a long, useful life under varied storage conditions.
- **I (indefinite)**- A term used frequently to communicate the fact that the substance has no fixed or definable life expectancy.

Keenan
Associates

Special Bulletin

Exclusive Hazardous Waste Disposal Pricing — May 2009

The removal and disposal of hazardous wastes are costly activities. In many cases exorbitant disposal costs force districts to delay hazardous waste removal until funding is available. While delaying these activities may seem like the fiscally prudent course of action, in reality it creates a much larger potential cost to districts. Specifically, delays in the removal and disposal of hazardous waste place districts at risk of violating regulations and facing stiff penalties related to these violations. Similarly, while some districts may have relatively low quantities of waste generated, time constraints may make the selection of a qualified waste vendor difficult. Recognizing these challenges faced by districts, Keenan established a master pricing agreement with North State Environmental, a firm specializing in the removal and disposal of hazardous wastes generated by schools and colleges.

As a Property and Liability program member, your district is invited to take advantage of this exclusive pricing arrangement. The arrangement calls for incredibly competitive pricing and eliminates price swings by holding prices stable for the next two years. For your reference, the pricing schedule is attached.

Please note that the attached pricing agreement is between Keenan and North State, not an agreement to provide services. Therefore, should your district be interested in utilizing this benefit, you must directly contract with North State Environmental. Following is the contact information for North State Environmental:

North State Environmental	
Contact:	Frank Balistreri
Phone:	(650) 588-2838
Web site:	http://www.north-state.com/

When contacting North State, you will need to indicate which pool your district is a member of. Furthermore, pool members' existing contracts with North State will remain in effect until the expiration of those contracts.

For further information, please contact Betti Pasquale at (310) 212-0363, extension 2633.

May 29, 2009

Prospect Avenue School

Attn: Don Hendricks
9303 Prospect Avenue
Santee, CA 92071

Dear Don,

Thank you for providing North State Environmental with the opportunity to submit a quotation for your hazardous waste needs. Please review the following costs and conditions. North State Environmental will provide all the necessary equipment and documentation needed to properly handle the waste streams listed below. If the terms of this quotation are acceptable, please sign and return it to us via fax at (619) 409-9290. If approved we will arrange with you a schedule date and time that is convenient for the waste pick-up.

Total Estimate ***$ 2,907.80***

Waste Type	Amount	Unit Price*	Line Total
Disposal Corrosive Liquid, Acidic LP	1 x 15 gallon drum	$ 195.30	$ 195.30
Disposal Corrosive Liquid, Basic LP	1 x 15 gallon drum	$ 195.30	$ 195.30
Disposal Corrosive Solid, Acidic LP	1 x 5 gallon drum	$ 130.20	$ 130.20
Disposal Corrosive Solid, Basic LP	1 x 15 gallon drum	$ 195.30	$ 195.30
Disposal Oxidizer solid LP	1 x 15 gallon drum	$ 292.95	$ 292.95
Disposal Oxidizer liquid LP	1 x 5 gallon drum	$ 217.00	$ 217.00
Disposal Toxic Liquid organic LP	1 x 5 gallon drum	$ 130.20	$ 130.20
Disposal Toxic Solid Inorganic LP	1 x 5 gallon drum	$ 130.20	$ 130.20
Disposal Peroxide LP	1 x 5 gallon drum	$ 217.00	$ 217.00
Disposal Oxidizer/corrosive liq. LP	1 x 5 gallon drum	$ 217.00	$ 217.00
Disposal Water reactive solid	1 x 5 gallon drum	$ 217.00	$ 217.00
Disposal Class 9	1 x 5 gallon drum	$ 130.20	$ 130.20
Disposal Flammable liquid Lab Pack	1 x 30 gallon drum	$ 260.40	$ 260.40
Disposal Non-RCRA	1 x 55 gallon drum	$ 379.75	$ 379.75

*Rate subject to profile approval. **Transportation is included in the above rate schedule**

CONDITIONS:

- Work will be completed during normal business hours (8am-5pm Monday-Friday).
- NSE will be provided access to the facility.
- All work completed for Prospect Avenue School
- will be payable net 30.
- Tax will apply to supply items only
- Minimum $ 200.00 pick up

* This quotation is based on information provided to North State Environmental by Prospect Avenue School this quotation will constitute acceptance of these terms.

This quotation will remain valid for a period of no more than 60 days. Upon acceptance of this quotation, prices will remain in effect for a period of one year. North State Environmental looks forward to working with you in the future.

Thank you for allowing North State Environmental this opportunity to service your needs. Please contact me at (619) 409-9292 if you would like me to explain any item in detail, or if you have any other questions.

Respectfully,

Mona Joyner
Sales Manager
North State Environmental

Accepted by:

Name (printed)	Date
Signature	P.O. # (if needed)

Consent Item E.3.2. Approval of Western Environmental Hazmat
Prepared by Karl Christensen Reporting per ADHERA Regulations
June 16, 2009

BACKGROUND:

Schools are required to update reporting on asbestos building materials within all facilities. This reporting is required every three years. It is currently past due. Since many schools have had asbestos materials removed and abated as part of the modernization construction, an update will be very beneficial and easy to do with the data accumulated over the past 2 years from the construction program of sampling testing and removal monitoring. Western Environmental & Safety Technologies, Inc. (WEST) has provided excellent services for the past few years to Santee School District and has provided a proposal of $2,425 to complete this service. The work is to be accomplished over the summer and to be available for public review and availability in the fall 2009.

RECOMMENDATION:

It is recommenced that the Board approve WEST for environmental hazmat materials reporting per ADHERA regulations of all school facilities building components.

This recommendation supports the following District goal:

- Pursue actively the funding and resources to fulfill our mission and maintain fiscal solvency.
- Provide facilities that optimize the learning environment for all students.

FISCAL IMPACT:

The fiscal impact of approximately $2,425 is to be paid from the CIP program budget funded under hazardous waste line item.

STUDENT ACHIEVEMENT IMPACT:

This is a fiscal item. All fiscal resources impact student achievement.

Motion:		Second:		Vote:		Agenda Item E.3.2.

WESTERN ENVIRONMENTAL & SAFETY TECHNOLOGIES LLC

March 27, 2009

Christina Becker
Santee School District
9880 Hoffman Lane
Santee, California, 92071

Ref. 2009 – AHERA Three Year Asbestos Re-inspection Proposal

It's almost that time again to complete your 2009 AHERA three year re-inspection. With your school districts 2009 - 3 year re-inspection coming due, I am pleased to provide you the following cost proposal.

AHERA Requirement History: At least once every three years after your management plan is in effect, the School District shall conduct a re-inspection of all friable and non-friable known or assumed ACBM in each school building that they lease, own, or use. An accredited Building Inspector shall conduct all such inspections. During the course of this required re-inspection, WEST'S accredited inspection shall complete the following:

- Visually re-inspect and reassess, under Section 763.88, the condition of all friable know or assumed ACBM.
- Visually inspect material that was previously considered non-friable ACBM and touch the material to determine whether it has become friable since the last inspection or re-inspection.
- Identify any homogeneous areas with material that has become friable since the last inspection or re-inspection.
- For each homogeneous area of newly friable material that is already assumed to be ACBM, bulk samples may be collected and submitted for analysis in accordance with Section 763.86 and 763.87.
- Assess, under Section 763.88, the condition of the newly friable material in areas where samples are collected, and newly friable materials in areas that are assumed to be ACBM.
- Reassess, under Section 763.88, the condition of friable known or assumed ACBM previously identified.
- Record the following and submit to the designated person a copy of such record for inclusion in the Management Plan:
  A. The date of the re-inspection, the name and signature of the person conducting the re-inspection, state of accreditation, and, if applicable, his or her accreditation number, and any changes in the condition of known or assumed ACBM.
  B. The exact locations where samples are collected during the re-inspection, a description of the manner used to determine sampling locations, the name and signature of each accredited inspector who collected the samples, state of accreditation, and, if applicable, his or her accreditation number.

Based on the above stated information, WEST is pleased to complete your school district's required 2009 AHERA three year re-inspection for a cost not to exceed $2425.00.

WEST will complete AHERA 3 re-inspections for over 25 separate school districts, totaling over nine million square feet of school facilities, located within San Diego and Imperial Counties during the 2009 re-inspections.

If you have any questions, or if I can supply you with any additional information in reference to the upcoming 2009 three year re-inspection or any other asbestos related issue, please do not hesitate to contact me at (619) 571-3987.

Respectfully Submitted,

David Christy
Sr. Partner - WEST
State of California Certified Asbestos Consultant
(CAC #92-0703)

7966 Arjons Drive • Suite #110 • San Diego • California • 92126
phone (858) 271-1842 *fax* (858) 271-1856
e-mail gowestdc@msn.com
Arizona • California

Discussion and/or Action Item F.3.1.
Prepared by Karl Christensen
June 16, 2009

Presentation and Adoption of Supplemental Resolution (0809-54) Relating to Issuance of General Obligation Bond Anticipation Notes – Issued Pursuant to Proposition R (November 2006 Election)

BACKGROUND:

On November 7, 2006, the voters within the Santee School District ("District") voted to approve Proposition R to authorize the District to issue general obligation bonds to finance certain specified capital projects and facilities. These proceedings were authorized, and the election conducted, pursuant to the Constitution of the State of California ("State"), the provisions of Proposition 39, related State law and District Resolution No. 0607-05. Under Proposition 39 the affirmative vote requirement to authorize the bonds was 55%. Proposition R was approved by more than the required 55% affirmative vote.

The District has previously authorized, issued and sold four (4) series of Santee School District General Obligation Bonds, 2006 Election, in the aggregate par amount of $41,094,271.30 (collectively the "Bonds") leaving not less than $18,905,728.70 of the Proposition R bond authorization unissued.

The issuance of securities authorized pursuant to Proposition R is subject to the requirements and limitations of Proposition 39, including, but not limited to, the formation and appointment of the Citizens' Oversight Committee. The Board of Education ("Board") has taken action to form, and appoint members to, its Citizens' Oversight Committee.

On May 19, 2009, the Board of Education ("Board") approved Resolution No. 0809-39 authorizing the issuance and sale of 2009 General Obligation Bond Anticipation Notes of the Santee School District ("2009 Notes") from the unissued portion of Proposition R funds. The 2009 Notes would be issued for a number of reasons, including, but not limited to, completion of current District facilities projects on the projected time frames. The forms of the documents presented to the Board with Resolution No. 0809-39 contemplated the issuance of the 2009 Notes with credit enhancement through a Letter of Credit and included terms based on the desire to obtain such a Letter of Credit.

Based on current circumstances, the District's finance team has determined that, in order to meet the District's facilities financing needs, and based on circumstances affecting the availability of a Letter of Credit, it is appropriate to provide for alternative documents for the issuance and sale of the 2009 Notes (as was discussed with the Board on June 10, 2009). Those revised documents are presented with Resolution No. 0809-54 for the review and consideration of the Board. Resolution No. 0809-54 supplements Resolution No. 0809-39 adopted by the Board on May 19, 2009. Except as noted in Resolution No. 0809-54, the terms, provisions, findings and directives of District Resolution No. 0809-39 remain in place.

The 2009 Notes will be sold through Piper Jaffray & Co., as Underwriter ("Underwriter"). The District is represented by Bowie, Arneson, Wiles & Giannone, as District Bond

Counsel ("Bond Counsel"), by Orrick, Herrington & Sutcliffe LLP, as Disclosure Counsel to the School District ("Disclosure Counsel"), Dolinka Group, LLC, as Financial Consultant ("Financial Consultant") and Dissemination Agent ("Dissemination Agent") to the School District and California Financial Services, as Program Manager to the District ("Program Manager").

Under the requirements of State law, the 2009 Notes are issued by the District. The County Treasurer would hold the construction funds generated by the sale of the 2009 Notes.

Under the proposed documents, the Board would adopt Resolution No. 0809-54 providing for the issuance of the 2009 Notes under the alternative form(s) of the documents presented.

RECOMMENDATION:

If the Board desires to move forward with the issuance and sale of general obligation bond anticipation notes in order to finance identified school facilities projects, it is recommended that the Board of Education adopt Resolution No. 0809-54.

This recommendation supports the following goals:

- Provide facilities that optimize the learning environment for all students.
- Pursue actively the funding and resources to fulfill our mission and maintain fiscal solvency.

FISCAL IMPACT:

Based upon the current facilities and finance plans of the District, and subject to the limitations of State law, it is proposed to issue and sell not to exceed $18,905,728.70 of 2009 General Obligation Bond Anticipation Notes of the Santee School District ("2009 Notes") from the unissued portion of Proposition R funds at this time.

STUDENT ACHIEVEMENT IMPACT:

This is a fiscal item related to facilities. All fiscal resources impact student achievement.

Motion:		Second:		Vote:		Agenda Item F.3.1.

Discussion and/or Action Item F.3.2. Approval of SDG&E Savings by Design
Prepared by Karl Christensen Energy Incentive at Prospect Avenue School
June 16, 2009

BACKGROUND:

During these difficult fiscal times, the Facilities and Modernization department would like to share good news and successes whenever possible.

In past presentations for the projects designed to date, the District has been very successful in achieving energy savings of 33% above Title 24 Regulations (See attached reports). Incentive checks from San Diego Gas & Electric (SDG&E) have been delivered as projects have been completed. We have just received our review, assessment, and recommendations from SDG&E for the Prospect Avenue School modernization project and incentives program of $82,306.

RECOMMENDATION:

It is recommended that the Board of Education authorize the acceptance of design incentives from SDG&E and use of the moneys in the continuation of Capital Improvement Program projects to meet the long range energy savings goals of the District.

This recommendation supports the following District goal:

- Pursue actively the funding and resources to fulfill our mission and maintain fiscal solvency.
- Provide facilities that optimize the learning environment for all students.

FISCAL IMPACT:

The receipt of incentive funds of $82,306 will be applied, with Board approval, towards reduction of energy expenses and reduction of kW usage for reduction of energy usage.

STUDENT ACHIEVEMENT IMPACT:

This is a fiscal item. All fiscal resources impact student achievement.

Motion:		Second:		Vote:		Agenda Item F.3.2.

SAVINGS BY DESIGN

UTILITY INCENTIVE WORKSHEET — UTIL-1

PROJECT NAME: 71108-Prospect Ave School - Bldg B

DATE: 6/2/2009

Step 1 ANNUAL TDV ENERGY USE (kBtu/sqft-yr)

ENERGY COMPONENT	Standard	Proposed	Margin
Space Heating	2.40	2.43	-0.03
Space Cooling	262.14	110.73	151.42
Indoor Fans	57.15	54.73	2.42
Heat Rejection	0.00	0.00	0.00
Pumps	0.00	0.00	0.00
Domestic Hot Water	22.18	22.18	0.00
Lighting	72.85	53.12	19.74
Receptacle	61.00	61.00	0.00
Process	0.00	0.00	0.00
TOTALS:	477.73	304.18	173.55

Step 2 PERCENT BELOW TITLE 24

Adjusted TDV Energy Use
(Excludes Process Energy)

Standard Design		Proposed Design		Margin
477.73	-	304.18	=	173.55

Margin		Standard Design		% Below Title 24*
173.55	/	477.73	=	36.3%

* % Below Title 24 is limited to a maximum of 30% in the incentive rate calculation.

Incentive Eligibility — Yes [X] No [ ]

Owner Incentive (>=10%):

Conditioned Floor Area = 6,322 sq. ft.

Step 3 ANNUAL SITE ENERGY USE

	Standard	Proposed	Margin
Peak Demand (kW)	76.2	44.4	31.8

The values shown here are based upon the results of an EnergyPro Compliance energy analysis that uses Title 24 profiles as specified in the Alternative Calculation Method manual.

ENERGY COMPONENT	Standard Electricity (kWh)	Standard Natural Gas (therms)	Proposed Electricity (kWh)	Proposed Natural Gas (therms)	Margin Electricity (kWh)	Margin Natural Gas (therms)
Space Heating	0	169	0	171	0	-2
Space Cooling	65,524	0	25,247	0	40,276	0
Indoor Fans	17,065	0	16,343	0	722	0
Heat Rejection	0	0	0	0	0	0
Pumps	0	0	0	0	0	0
Domestic Hot Water	0	1,481	0	1,481	0	0
Lighting	21,355	0	15,570	0	5,786	0
Receptacle	18,561	0	18,561	0	0	0
Process	0	0	0	0	0	0
TOTALS:	122,505	1,650	75,721	1,652	46,784	-2

Step 4 POTENTIAL OWNER INCENTIVE CALCULATION

SDGE — A Sempra Energy utility

	% Below Title 24* (from step 2)	Incentive Rate	Savings (from step 3)	Subtotal
Electricity (kWh)	30.0%	= 30.0 ¢/kWh	X 46,784 kWh	= $ 14,035
Electricity (kW)		= 100.00 ¢/kW	31.8 kW	= $ 3,180
Natural Gas		= 100.0 ¢/therm	X 0 therm	= $ 0

Owner Incentive ($500,000 max) = $ 17,215

Potential incentives indicated on this report are available only through the Whole Building Approach Element of the Savings By Design Program for new construction and are NOT GUARANTEED. Projects MUST receive prior, written approval from The Utility during conceptual or early design development and must meet all other program requirements to qualify

* % Below in this equation is limited to 30%

Run Initiation Time: 06/02/09 10:38:56 Run Code: 1243964336

SAVINGS BY DESIGN

UTILITY INCENTIVE WORKSHEET — UTIL-1

PROJECT NAME: 71108-Prospect Ave School - Bldg C

DATE: 6/2/2009

Step 1 ANNUAL TDV ENERGY USE (kBtu/sqft-yr)

ENERGY COMPONENT	Standard	Proposed	Margin
Space Heating	2.51	2.45	0.05
Space Cooling	256.02	109.21	146.81
Indoor Fans	55.36	53.57	1.79
Heat Rejection	0.00	0.00	0.00
Pumps	0.00	0.00	0.00
Domestic Hot Water	22.18	22.18	0.00
Lighting	72.85	53.85	19.01
Receptacle	61.00	61.00	0.00
Process	0.00	0.00	0.00
TOTALS:	469.91	302.25	167.66

Step 2 PERCENT BELOW TITLE 24

Adjusted TDV Energy Use (Excludes Process Energy)

Standard Design		Proposed Design		Margin
469.91	-	302.25	=	167.66

Margin		Standard Design		% Below Title 24*
167.66	/	469.91	=	35.7%

* % Below Title 24 is limited to a maximum of 30% in the incentive rate calculation.

Incentive Eligibility — Yes [X] No [ ]

Owner Incentive (>=10%):

Conditioned Floor Area = 8,392 sq. ft.

Step 3 ANNUAL SITE ENERGY USE

	Standard	Proposed	Margin
Peak Demand (kW)	99.9	58.6	41.3

The values shown here are based upon the results of an EnergyPro Compliance energy analysis that uses Title 24 profiles as specified in the Alternative Calculation Method manual.

ENERGY COMPONENT	Standard Electricity (kWh)	Standard Natural Gas (therms)	Proposed Electricity (kWh)	Proposed Natural Gas (therms)	Margin Electricity (kWh)	Margin Natural Gas (therms)
Space Heating	0	234	0	229	0	5
Space Cooling	84,805	0	33,068	0	51,737	0
Indoor Fans	21,942	0	21,233	0	709	0
Heat Rejection	0	0	0	0	0	0
Pumps	0	0	0	0	0	0
Domestic Hot Water	0	1,966	0	1,966	0	0
Lighting	28,349	0	20,951	0	7,399	0
Receptacle	24,637	0	24,637	0	0	0
Process	0	0	0	0	0	0
TOTALS:	159,733	2,200	99,889	2,195	59,845	5

Step 4 POTENTIAL OWNER INCENTIVE CALCULATION

SDGE — A Sempra Energy utility

	% Below Title 24* (from step 2)	Incentive Rate		Savings (from step 3)		Subtotal
Electricity (kWh)	30.0%	= 30.0 ¢/kWh	X	59,645 kWh	=	$ 17,953
Electricity (kW)		= 100.00 ¢/kW		41.3 kW	=	$ 4,130
Natural Gas		= 100.0 ¢/therm	X	5 therm	=	$ 5

Owner Incentive → ($500,000 max) = $ 22,088

Potential incentives indicated on this report are available only through the Whole Building Approach Element of the Savings By Design Program for new construction and are NOT GUARANTEED. Projects MUST receive prior, written approval from The Utility during conceptual or early design development and must meet all other program requirements to qualify

* % Below in this equation is limited to 30%

Run Initiation Time: 06/02/09 10:55:41 Run Code: 1243965341

SAVINGS BY DESIGN

UTILITY INCENTIVE WORKSHEET — UTIL-1

PROJECT NAME: 71108-Prospect Ave School - Bldg D

DATE: 6/2/2009

Step 1 ANNUAL TDV ENERGY USE (kBtu/sqft-yr)

ENERGY COMPONENT	Standard	Proposed	Margin
Space Heating	7.31	6.77	0.54
Space Cooling	264.92	121.64	143.28
Indoor Fans	72.86	66.19	6.66
Heat Rejection	0.00	0.00	0.00
Pumps	0.00	0.00	0.00
Domestic Hot Water	22.38	22.38	0.00
Lighting	72.85	55.04	17.82
Receptacle	61.00	61.00	0.00
Process	0.00	0.00	0.00
TOTALS:	501.33	333.03	168.30

Step 2 PERCENT BELOW TITLE 24

Adjusted TDV Energy Use
(Excludes Process Energy)

Standard Design		Proposed Design		Margin
501.33	-	333.03	=	168.30

Margin		Standard Design		% Below Title 24*
168.30	/	501.33	=	33.6%

* % Below Title 24 is limited to a maximum of 30% in the incentive rate calculation.

Incentive Eligibility — Yes [X] No [ ]

Owner Incentive (>=10%):

Conditioned Floor Area = 2,874 sq. ft.

Step 3 ANNUAL SITE ENERGY USE

	Standard	Proposed	Margin
Peak Demand (kW)	35.0	21.0	14.0

The values shown here are based upon the results of an EnergyPro Compliance energy analysis that uses Title 24 profiles as specified in the Alternative Calculation Method manual.

ENERGY COMPONENT	Standard		Proposed		Margin	
	Electricity (kWh)	Natural Gas (therms)	Electricity (kWh)	Natural Gas (therms)	Electricity (kWh)	Natural Gas (therms)
Space Heating	0	234	0	217	0	17
Space Cooling	28,941	0	12,415	0	16,525	0
Indoor Fans	9,890	0	8,986	0	905	0
Heat Rejection	0	0	0	0	0	0
Pumps	0	0	0	0	0	0
Domestic Hot Water	0	679	0	679	0	0
Lighting	9,706	0	7,334	0	2,374	0
Receptacle	8,438	0	8,438	0	0	0
Process	0	0	0	0	0	0
TOTALS:	56,977	913	37,173	896	19,804	17

Step 4 POTENTIAL OWNER INCENTIVE CALCULATION

SDGE — A Sempra Energy utility

	% Below Title 24* (from step 2)	Incentive Rate		Savings (from step 3)		Subtotal
Electricity (kWh)	30.0%	= 30.0 ¢/kWh	X	19,804 kWh	=	$ 5,941
Electricity (kW)		= 100.00 ¢/kW		14.0 kW	=	$ 1,400
Natural Gas		= 100.0 ¢/therm	X	17 therm	=	$ 17

Owner Incentive → ($500,000 max) = $ 7,358

Potential incentives indicated on this report are available only through the Whole Building Approach Element of the Savings By Design Program for new construction and are NOT GUARANTEED. Projects MUST receive prior, written approval from The Utility during conceptual or early design development and must meet all other program requirements to qualify

* % Below in this equation is limited to 30%

Run Initiation Time: 06/02/09 13:11:24 Run Code: 1243973484

SAVINGS BY DESIGN

UTILITY INCENTIVE WORKSHEET UTIL-1

PROJECT NAME: 71108--Prospect Ave School - Bldg A

DATE: 6/2/2009

Step 1 ANNUAL TDV ENERGY USE (kBtu/sqft-yr)

ENERGY COMPONENT	Standard	Proposed	Margin
Space Heating	1.47	1.49	-0.02
Space Cooling	236.70	113.94	122.76
Indoor Fans	64.24	63.81	0.43
Heat Rejection	0.00	0.00	0.00
Pumps	0.00	0.00	0.00
Domestic Hot Water	20.99	20.99	0.00
Lighting	72.85	53.38	19.47
Receptacle	63.05	63.05	0.00
Process	0.00	0.00	0.00
TOTALS:	459.29	316.65	142.64

Step 2 PERCENT BELOW TITLE 24

Adjusted TDV Energy Use
(Excludes Process Energy)

Standard Design		Proposed Design		Margin
459.29	-	316.65	=	142.64

Margin		Standard Design		% Below Title 24*
142.64	/	459.29	=	31.1%

* % Below Title 24 is limited to a maximum of 30% in the incentive rate calculation.

Incentive Eligibility

	Yes	No
Owner Incentive (>=10%):	X	

Conditioned Floor Area = 9,600 sq. ft.

Step 3 ANNUAL SITE ENERGY USE

	Standard	Proposed	Margin
Peak Demand (kW)	105.7	66.9	38.8

The values shown here are based upon the results of an EnergyPro Compliance energy analysis that uses Title 24 profiles as specified in the Alternative Calculation Method manual.

ENERGY COMPONENT	Standard		Proposed		Margin	
	Electricity (kWh)	Natural Gas (therms)	Electricity (kWh)	Natural Gas (therms)	Electricity (kWh)	Natural Gas (therms)
Space Heating	0	157	0	160	0	-3
Space Cooling	89,811	0	40,430	0	49,381	0
Indoor Fans	29,126	0	26,934	0	195	0
Heat Rejection	0	0	0	0	0	0
Pumps	0	0	0	0	0	0
Domestic Hot Water	0	2,128	0	2,128	0	0
Lighting	32,429	0	23,761	0	8,668	0
Receptacle	29,131	0	29,131	0	0	0
Process	0	0	0	0	0	0
TOTALS:	180,499	2,285	122,255	2,288	58,244	-3

Step 4 POTENTIAL OWNER INCENTIVE CALCULATION

SDGE — A Sempra Energy utility

	% Below Title 24* (from step 2)	Incentive Rate		Savings (from step 3)		Subtotal
Electricity (kWh)	30.0%	= 30.0 ¢/kWh	X	58,244 kWh	=	$ 17,473
Electricity (kW)		= 100.00 ¢/kW		38.8 kW	=	$ 3,880
Natural Gas		= 100.0 ¢/therm	X	0 therm	=	$ 0

Owner Incentive ($500,000 max) = $ 21,353

Potential incentives indicated on this report are available only through the Whole Building Approach Element of the Savings By Design Program for new construction and are NOT GUARANTEED. Projects MUST receive prior, written approval from The Utility during conceptual or early design development and must meet all other program requirements to qualify

* % Below in this equation is limited to 30%

Run Initiation Time: 06/02/09 10:17:00 Run Code: 1243963020

SAVINGS BY DESIGN

UTILITY INCENTIVE WORKSHEET — UTIL-1

PROJECT NAME: 71108-Prospect Ave School - Bldg E

DATE: 6/2/2009

Step 1 ANNUAL TDV ENERGY USE (kBtu/sqft-yr)

ENERGY COMPONENT	Standard	Proposed	Margin
Space Heating	9.51	6.93	2.57
Space Cooling	277.06	156.41	120.65
Indoor Fans	92.61	95.29	2.68
Heat Rejection	0.00	0.00	0.00
Pumps	0.00	0.00	0.00
Domestic Hot Water	17.89	14.19	3.70
Lighting	83.25	63.58	19.67
Receptacle	69.20	69.20	0.00
Process	4.64	4.64	0.00
TOTALS:	554.16	410.25	143.91

Step 2 PERCENT BELOW TITLE 24

Adjusted TDV Energy Use
(Excludes Process Energy)

Standard Design		Proposed Design		Margin
549.52	-	405.61	=	143.91

Margin		Standard Design		% Below Title 24*
143.91	/	549.52	=	26.2%

* % Below Title 24 is limited to a maximum of 30% in the incentive rate calculation.

Incentive Eligibility — Yes [X] No [ ]

Owner incentive (>=10%):

Conditioned Floor Area = 7,336 sq. ft.

Step 3 ANNUAL SITE ENERGY USE

	Standard	Proposed	Margin
Peak Demand (kW)	101.7	67.3	34.4

The values shown here are based upon the results of an EnergyPro Compliance energy analysis that uses Title 24 profiles as specified in the Alternative Calculation Method manual.

ENERGY COMPONENT	Standard		Proposed		Margin	
	Electricity (kWh)	Natural Gas (therms)	Electricity (kWh)	Natural Gas (therms)	Electricity (kWh)	Natural Gas (therms)
Space Heating	0	772	0	563	0	209
Space Cooling	75,842	0	42,077	0	33,765	0
Indoor Fans	32,090	0	33,019	0	-930	0
Heat Rejection	0	0	0	0	0	0
Pumps	0	0	0	0	0	0
Domestic Hot Water	0	1,386	0	1,099	0	287
Lighting	28,317	0	21,626	0	6,691	0
Receptacle	24,434	0	24,434	0	0	0
Process	1,638	0	1,638	0	0	0
TOTALS:	162,320	2,158	122,794	1,662	39,526	496

Step 4 POTENTIAL OWNER INCENTIVE CALCULATION

SDGE — A Sempra Energy utility

	% Below Title 24* (from step 2)	Incentive Rate		Savings (from step 3)		Subtotal
Electricity (kWh)	26.2%	= 26.2 ¢/Wh	X	39,526 kWh	=	$ 10,356
Electricity (kW)		= 100.00 ¢/kW		34.4 kW	=	$ 3,440
Natural Gas		= 100.0 ¢/therm	X	496 therm	=	$ 496
Owner Incentive				($500,000 max)	=	$ 14,292

Potential incentives indicated on this report are available only through the Whole Building Approach Element of the Savings By Design Program for new construction and are NOT GUARANTEED. Projects MUST receive prior, written approval from The Utility during conceptual or early design development and must meet all other program requirements to qualify

* % Below in this equation is limited to 30%

Run Initiation Time: 06/02/09 13:16:54 Run Code: 1243973814

Discussion and/or Action Item F.3.3. Report on Water Fixture Unit Assessment
Prepared by Karl Christensen
June 16, 2009

BACKGROUND:

BACKGROUND:

Water Fixture Unit Assessment
At the May 2, 2009 Board workshop, a consultant agreement for services with Merrick and Associates was approved to assess the domestic water usage changes incorporated through the Capital Improvement Program. Waterless urinals have been installed across the District and low water usage faucets and toilet fixtures have been added. Many obsolete shower rooms have been demolished, abandoned and replaced with locker facilities. Small inaccessible restrooms and water closets have been reduced to accommodate accessible restrooms. New classroom spaces have been provided for relocatable classrooms. Separate library technology centers have replaced undersized temporary partitioned classrooms. Separate multi-purpose performing arts spaces have also been created that meet the California Department of Education (CDE) standards of a complete school.

Even though additional square footage has been added to some schools, we have not increased our student capacity. Current enrollment is 2,000 students below our peak enrollment, and programs and structures have been designed that decrease our water demand to Padre Dam Municipal Water District. A before and after CIP program comparison report is attached and will be presented to the Board this evening. The report concludes that the District has a net change of 89 less fixture units.

Split Irrigation Needs
In addition to the water fixture unit assessment, a status of the irrigation split system program is underway. George Mercer landscape architect has completed the split irrigation systems for construction at the Prospect Avenue, Chet F Harritt, and Hill Creek modernization projects. We are working on plans for split irrigation systems at all nine schools. In the attached table are irrigation systems status and assessment. Mr. Mercer will be attending the board meeting to present landscape concepts and student garden opportunities.

During the construction, many old grass lawn planter areas will be destroyed. This will be an opportunity to replant these areas with drought tolerant plantings. Many schools may have the cal sense irrigation monitoring system only for some of the school's irrigation valves. New fields have the flow sensors and this high tech system to alarm and shut off valves when water may be wasted or irrigation broken. Conserving water when sufficient rainfall has been realized is critical.

In addition, water usage goals and tracking reports are produced from the Calsense system (see attached example reports). As we continue to split the irrigation systems and complete the schools, the goal is to have all irrigation valves monitored by the Calsense

system so automatic shut offs will occur when there are broken lines and/or sufficient rainfall. It is a smart and wonderful system that we need to complete for all landscape irrigation areas of our schools. Just like our energy management system aides us in energy savings, the Calsense irrigation control system, when implemented at all schools in all areas, will aid in irrigation water conservation and management.

RECOMMENDATION:

This is an information only item and discussion and/or actions are at the discretion of the Board of Education.

This recommendation supports the following District goal:

- Pursue actively the funding and resources to fulfill our mission and maintain fiscal solvency.
- Provide facilities that optimize the learning environment for all students.

FISCAL IMPACT:

The goal of this assessment is to look at:

- the water impacts to Padre Dam water services for our domestic water systems,
- reduction or elimination of any potential sewer impact assessments due to reduced water usage as a result of declining enrollment, past school closures, and Capital Improvement Program efficiencies, and
- landscape water options to reduce the sewer charge portion of our water bills due to not having split irrigation systems throughout the District.

Currently annual water bills are approximately $350,000 per year and without reductions will increase due to rate increases. Of the $350,000, the sewer charges are approximately $170,000 and the measures on the attached charts will reduce that portion of our bimonthly water bills.

STUDENT ACHIEVEMENT IMPACT:

This is a fiscal item. All fiscal resources impact student achievement.

Motion:		Second:		Vote:		Agenda Item F.3.3.

CALSENSE

Santee School District
9880 Riverwalk
Santee, CA 92071

Water Management

June 12, 2009 8:57:53 AM

Mar/01/2009 - May/31/2009

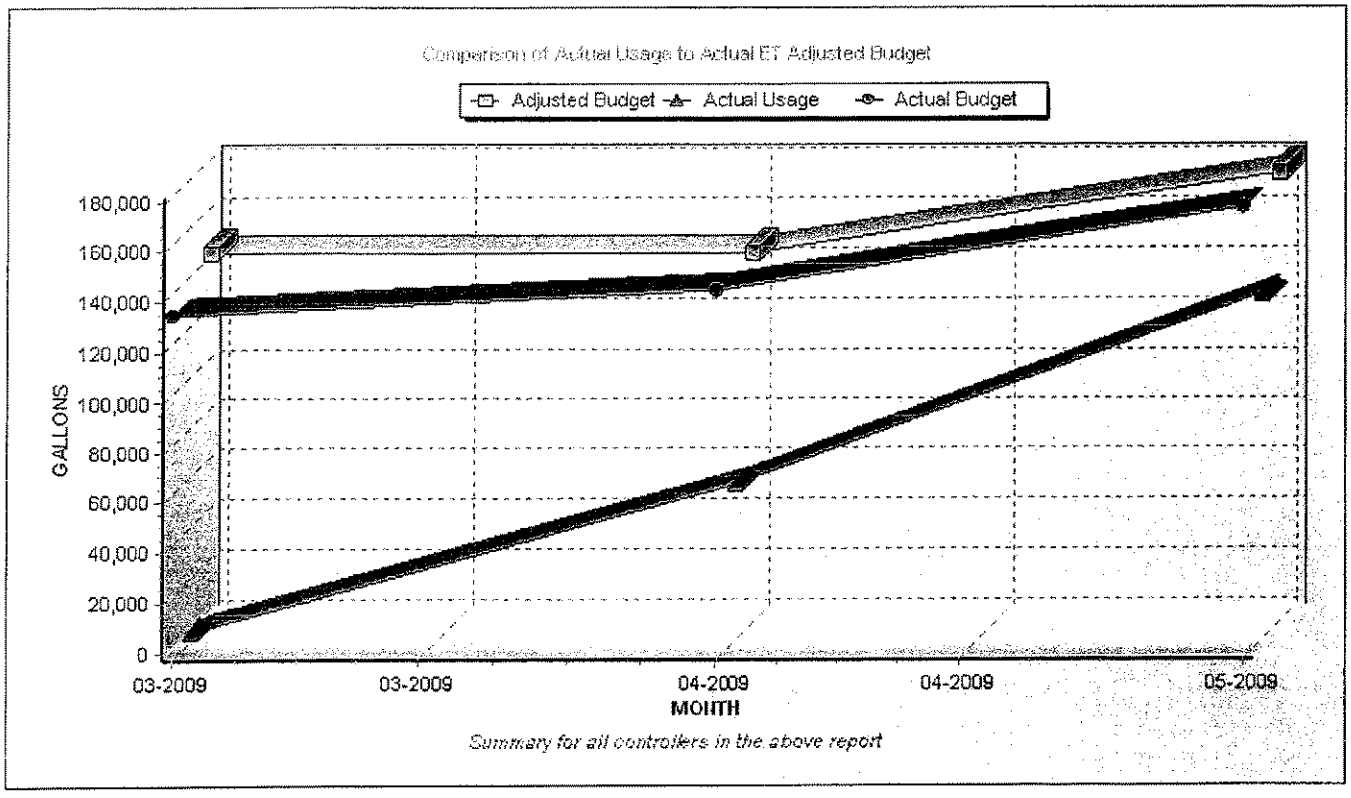
Santee School District
Carlton Hills

608.c

Date	# of Days	*CONTROLLER HISTORICAL ET	ACTUAL ET TABLE	ADJ %	**CONTROLLER BUDGET GALLONS	***ADJUSTED BUDGET GALLONS	****USAGE ACTUAL GALLONS	SAVINGS GALLONS	PERCENT SAVED
Mar-2009	31	3.66	3.96	8 %	134,099	145,243	1,338	143,906	**99 %**
Apr-2009	30	4.49	4.51	0 %	144,781	145,491	60,284	85,207	**59 %**
May-2009	31	5.49	5.46	-1 %	177,543	176,508	135,888	40,620	**23 %**
TOTAL	92	13.63	13.93	2 %	456,424	466,266	197,510	**268,756**	

ET values and usages set to zero when budget is zero
*County and city settings for controller are San Diego and Santee
** Controller Budget was Calculated at 100% of Controller Historical ET.
*** Adjusted budget uses actual ET to modify the controller budget.
**** Usage based on: Test usage, manual usage, scheduled usage, noncontroller usage, radio remote usage

making water work
since 1986


Comparison of Actual Usage to Actual ET Adjusted Budget
Adjusted Budget
Actual Usage
Actual Budget
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
GALLONS
03-2009
03-2009
04-2009
04-2009
05-2009
MONTH
Summary for all controllers in the above report

CALSENSE

Santee School District
9880 Riverwalk
Santee, CA 92071

Water Management

June 12, 2009 8:59:08 AM

Mar/01/2009 - May/31/2009

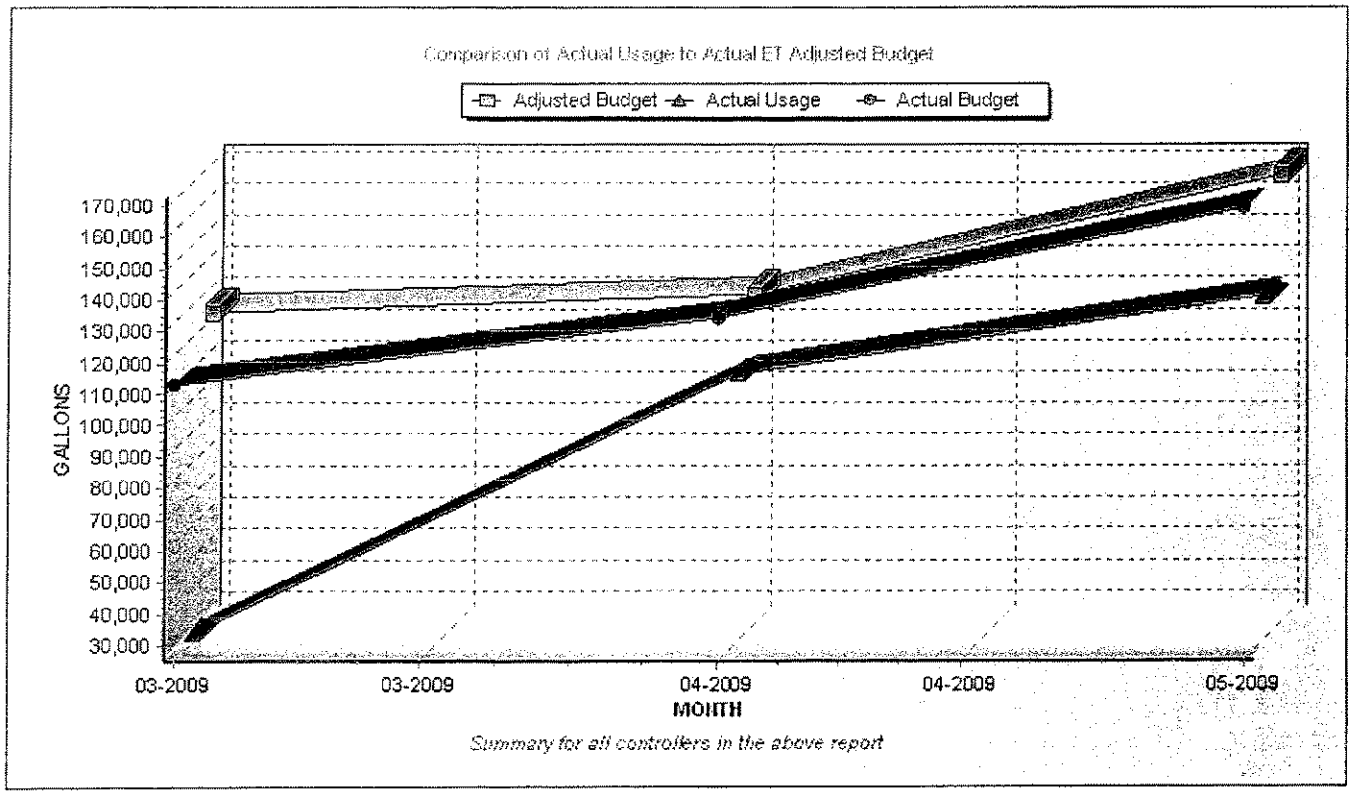
Santee School District
Carlton Oaks

608.c

Date	# of Days	*CONTROLLER HISTORICAL ET	ACTUAL ET TABLE	ADJ %	**CONTROLLER BUDGET GALLONS	***ADJUSTED BUDGET GALLONS	****USAGE ACTUAL GALLONS	SAVINGS GALLONS	PERCENT SAVED
Mar-2009	31	3.66	4.02	10 %	112,932	124,231	28,289	95,942	77 %
Apr-2009	29	4.34	4.21	-3 %	134,045	130,066	110,397	19,669	15 %
May-2009	31	5.49	5.46	-1 %	169,398	168,410	135,451	32,959	20 %
TOTAL	91	13.48	13.69	2 %	416,375	422,712	274,137	148,575	[illegible]

ET values and usages set to zero when budget is zero
*County and city settings for controller are San Diego and Santee
** Controller Budget was Calculated at 100% of Controller Historical ET.
*** Adjusted budget uses actual ET to modify the controller budget.
**** Usage based on: Test usage, manual usage, scheduled usage, noncontroller usage, radio remote usage

making water work
since 1986


Comparison of Actual Usage to Actual ET Adjusted Budget
Adjusted Budget
Actual Usage
Actual Budget
170,000
160,000
150,000
140,000
130,000
120,000
110,000
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
GALLONS
03-2009
03-2009
04-2009
04-2009
05-2009
MONTH
Summary for all controllers in the above report

MERRICK+ASSOCIATES
MECHANICAL CONSULTING AND ENGINEERING

9606 Tierra Grande Street Suite 206
San Diego, California 92126
phone:(858) 549-9980
fax: (858) 549-9987

Plumbing Fixture Reconciliation

Santee School District
June 8, 2009

Cajon Park School

		Existing Fixtures	Existing or Replaced	Quantity Change
Building A				
	Urinals	4	4	0
	Toilets	6	6	0
	Lavatories	7	7	0
	Sinks	8	7	-1
	Drinking Fountains	4	4	0
Building B				
	Urinals	6	5	-1
	Toilets	8	8	0
	Lavatories	6	7	1
	Sinks	8	8	0
	Drinking Fountains	4	4	0
Building C				
	Urinals	5	3	-2
	Toilets	7	5	-2
	Lavatories	4	4	0
	Sinks	6	7	1
	Drinking Fountains	4	4	0
Building D				
	Urinals	0	0	0
	Toilets	4	2	-2
	Lavatories	3	2	-1
	Sinks	2	2	0
	Drinking Fountains	0	2	2
Building E				
	Urinals	0	0	0
	Toilets	1	1	0
	Lavatories	1	1	0
	Sinks	2	2	0

Building F			
Urinals	2	0	-2
Toilets	5	0	-5
Lavatories	4	0	-4
Sinks	3	0	-3
Showers	16	0	-16
Drinking Fountains	4	0	-4
Building G			
Urinals	0	0	0
Toilets	0	0	0
Lavatories	0	0	0
Sinks	4	6	2
Drinking Fountains	4	2	-2
Building H (Rd Library/Tech Conv.)			
Urinals	0	0	0
Toilets	0	0	0
Lavatories	0	0	0
Sinks	6	2	-4
Kindergarten Relocatables			
Urinals	0	0	0
Toilets	0	4	4
Lavatories	0	0	0
Sinks	0	4	4
New 20 Clrm Two-Story Bldg.			
Urinals	0	5	5
Toilets	0	11	11
Lavatories	0	13	13
Sinks	0	41	41
Drinking Fountains	0	4	4
Middle School Relo Building(s)			
Urinals	4	0	-4
Toilets	9	0	-9
Lavatories	7	0	-7
Sinks	9	0	-9
Drinking Fountains	1	0	-1
Total School Fixture Adjustment			**9**

		Existing Fixtures	Existing or Replaced	# of New Fixtures
Building A				
	Urinals	5	4	-1
	Toilets	6	5	-1
	Lavatories	4	4	0
	Sinks	9	7	-2
	Drinking Fouintains	4	2	-2
Building B				
	Urinals	7	7	0
	Toilets	12	11	-1
	Lavatories	9	9	0
	Sinks	8	10	2
	Drinking Fouintains	8	4	-4
Building C				
	Urinals	5	4	-1
	Toilets	4	4	0
	Lavatories	6	3	-3
	Sinks	8	5	-3
	Drinking Fouintains	4	2	-2
Building D				
	Urinals	0	0	0
	Toilets	4	2	-2
	Lavatories	3	2	-1
	Sinks	2	2	0
	Drinking Fouintains	0	2	2
Building E				
	Urinals	0	0	0
	Toilets	1	1	0
	Lavatories	1	1	0
	Sinks	6	5	-1
	Drinking Fouintains	4	2	-2
Building F				
	Urinals	1	0	-1
	Toilets	3	0	-3
	Lavatories	2	0	-2
	Sinks	0	0	0
	Drinking Fouintains	4	0	-4
	Showers	18	0	-18
Building G (Rd Library/Tech Conversion)				
	Urinals	0	0	0
	Toilets	0	0	0
	Lavatories	0	0	0
	Sinks	6	2	-4

New 10 Classroom 2-Story Bldg.

Urinals	0	4	4
Toilets	0	7	7
Lavatories	0	7	7
Sinks	0	30	30
Drinking Fouintains	0	6	6

Total School Fixture Adjustment **0**

		Existing Fixtures	Existing or Replaced	# of New Fixtures
Building A				
	Urinals	3	3	0
	Toilets	7	5	-2
	Lavatories	5	4	-1
	Sinks	12	16	4
	Drinking Fouintains	6	6	0
Building B				
	Urinals	7	7	0
	Toilets	6	6	0
	Lavatories	4	4	0
	Sinks	13	9	-4
	Drinking Fouintains	4	4	0
Building C				
	Urinals	6	4	-2
	Toilets	16	8	-8
	Lavatories	11	7	-4
	Sinks	19	15	-4
	Drinking Fouintains	8	8	0
	Showers	20	0	-20
Building D				
	Urinals	1	1	0
	Toilets	5	3	-2
	Lavatories	2	4	2
	Sinks	4	1	-3
Building E (Rd Library/Tech Conversion)				
	Urinals	0	0	0
	Toilets	0	0	0
	Lavatories	0	0	0
	Sinks	6	2	-4
New 10 Classroom 2-Story Bldg.				
	Urinals	0	4	4
	Toilets	0	7	7
	Lavatories	0	7	7
	Sinks	0	30	30
	Drinking Fouintains	0	6	6
Total School Fixture Adjustment				**6**

	Existing Fixtures	Existing or Replaced	# of New Fixtures
Building A			
Urinals	4	2	-2
Toilets	9	8	-1
Lavatories	6	4	-2
Sinks	13	7	-6
Drinking Fouintains	6	4	-2
Building B			
Urinals	8	2	-6
Toilets	7	5	-2
Lavatories	12	4	-8
Sinks	15	11	-4
Drinking Fouintains	4	4	0
Showers	18	0	-18
Building C			
Urinals	4	0	-4
Toilets	10	8	-2
Lavatories	7	6	-1
Sinks	19	20	1
Drinking Fouintains	4	6	2
New 10 Classroom 2-Story Bldg.			
Urinals	0	4	4
Toilets	0	7	7
Lavatories	0	7	7
Sinks	0	30	30
Drinking Fouintains	0	6	6
Total School Fixture Adjustment			-1

	Existing Fixtures	Existing or Replaced	# of New Fixtures
Building A			
Urinals	3	3	0
Toilets	7	5	-2
Lavatories	5	4	-1
Sinks	11	16	5
Drinking Fouintains	6	6	0
Building B			
Urinals	7	7	0
Toilets	6	6	0
Lavatories	4	4	0
Sinks	13	9	-4
Drinking Fouintains	4	4	0
Building C			
Urinals	6	4	-2
Toilets	12	8	-4
Lavatories	9	7	-2
Sinks	18	14	-4
Drinking Fouintains	8	8	0
Showers	20	0	-20
Building D			
Urinals	1	1	0
Toilets	5	3	-2
Lavatories	2	4	2
Sinks	4	2	-2
Building E (Rd Library/Tech Conversion)			
Urinals	0	0	0
Toilets	0	0	0
Lavatories	0	0	0
Sinks	6	2	-4
New 10 Classroom 2-Story Bldg.			
Urinals	0	4	4
Toilets	0	7	7
Lavatories	0	7	7
Sinks	0	30	30
Drinking Fouintains	0	6	6
Total School Fixture Adjustment			**14**

Cougar Drive School		Existing Fixtures	Existing or Replaced	# of New Fixtures
Administration Bldg.				
	Urinals	0	0	0
	Toilets	3	3	0
	Lavatories	3	3	0
	Sinks	2	2	0
Shower & Locker Bldg.				
	Urinals	1	0	-1
	Toilets	3	0	-3
	Lavatories	2	0	-2
	Sinks	1	0	-1
	Showers	18	0	-18
	Drinking Fountains	2	0	-2
Building #1 Classroom Bldg.				
	Urinals	5	5	0
	Toilets	6	6	0
	Lavatories	6	6	0
	Sinks	9	9	0
	Drinking Fountains	2	2	0
Building #2 Classroom Bldg.				
	Urinals	4	4	0
	Toilets	7	7	0
	Lavatories	7	7	0
	Sinks	6	6	0
	Drinking Fountains	4	4	0
Building #3 Classroom/Home Econ.				
	Urinals	4	4	0
	Toilets	6	6	0
	Lavatories	4	4	0
	Sinks	12	12	0
	Drinking Fountains	2	2	0
Multi-Purpose/Kitchen Building				
	Urinals	1	1	0
	Toilets	3	3	0
	Lavatories	2	2	0
	Sinks	4	4	0

New 10 Classroom 2-Story Bldg.

Urinals	0	4	4
Toilets	0	7	7
Lavatories	0	7	7
Sinks	0	30	30
Drinking Fouintains	0	6	6
Total School Fixture Adjustment			**27**

		Existing Fixtures	Existing or Replaced	# of New Fixtures
Building A				
	Urinals	3	3	0
	Toilets	6	5	-1
	Lavatories	5	4	-1
	Sinks	11	8	-3
	Drinking Fouintains	2	2	0
Building B				
	Urinals	4	3	-1
	Toilets	6	4	-2
	Lavatories	4	4	0
	Sinks	7	6	-1
	Drinking Fouintains	2	2	0
Building C				
	Urinals	4	3	-1
	Toilets	6	4	-2
	Lavatories	4	4	0
	Sinks	8	8	0
	Drinking Fouintains	4	2	-2
Building D				
	Urinals	0	0	0
	Toilets	4	2	-2
	Lavatories	3	2	-1
	Sinks	2	4	2
	Drinking Fouintains	0	2	2
Building E				
	Urinals	1	0	-1
	Toilets	3	3	0
	Lavatories	3	3	0
	Sinks	3	4	1
	Drinking Fouintains	2	2	0
Building F				
	Urinals	1	1	0
	Toilets	3	3	0
	Lavatories	2	2	0
	Sinks	0	0	0
	Showers	16	16	0

New Rectangular Library/Tech Bldg.

Urinals	0	0	0
Toilets	0	0	0
Lavatories	0	0	0
Sinks	0	2	2

Total School Fixture Adjustment **-11**

	Existing Fixtures	Existing or Replaced	# of New Fixtures
Building A			
Urinals	3	3	0
Toilets	7	5	-2
Lavatories	5	4	-1
Sinks	11	16	5
Drinking Fouintains	6	6	0
Building B			
Urinals	7	7	0
Toilets	6	6	0
Lavatories	4	4	0
Sinks	12	10	-2
Drinking Fouintains	4	4	0
Building C			
Urinals	6	4	-2
Toilets	12	8	-4
Lavatories	9	7	-2
Sinks	18	14	-4
Drinking Fouintains	8	8	0
Showers	20	0	-20
Building D			
Urinals	1	1	0
Toilets	5	3	-2
Lavatories	2	4	2
Sinks	4	1	-3
Building E (Rd Library/Tech Conversion)			
Urinals	0	0	0
Toilets	0	0	0
Lavatories	0	0	0
Sinks	6	2	-4
New 10 Classroom 2-Story Bldg.			
Urinals	0	4	4
Toilets	0	7	7
Lavatories	0	7	7
Sinks	0	30	30
Drinking Fouintains	0	6	6
Total School Fixture Adjustment			**15**

		Existing Fixtures	Existing or Replaced	# of New Fixtures
Building A				
	Urinals	5	4	-1
	Toilets	6	5	-1
	Lavatories	4	5	1
	Sinks	9	8	-1
	Drinking Fouintains	4	4	0
Building B				
	Urinals	7	5	-2
	Toilets	9	9	0
	Lavatories	6	7	1
	Sinks	10	13	3
	Drinking Fouintains	4	4	0
Building C				
	Urinals	5	4	-1
	Toilets	7	8	1
	Lavatories	6	5	-1
	Sinks	5	6	1
	Drinking Fouintains	4	4	0
Building D				
	Urinals	0	0	0
	Toilets	4	2	-2
	Lavatories	3	2	-1
	Sinks	2	2	0
	Drinking Fouintains	0	2	2
Building E				
	Urinals	0	0	0
	Toilets	1	0	-1
	Lavatories	1	0	-1
	Sinks	2	0	-2
Building F				
	Urinals	3	3	0
	Toilets	5	5	0
	Lavatories	4	4	0
	Sinks	3	3	0
	Showers	16	16	0
	Drinking Fouintains	4	4	0

Building G			
Urinals	0	0	0
Toilets	0	0	0
Lavatories	0	0	0
Sinks	4	2	-2
Drinking Fountains	4	2	-2
New Rectangular Library/Tech Bldg.			
Urinals	0	0	0
Toilets	0	0	0
Lavatories	0	0	0
Sinks	0	2	2
Total School Fixture Adjustment			**-7**

Santee School Demolished	Existing Fixtures	Existing or Replaced	# of New Fixtures
Building #1- Classroom Bldg.			
Urinals	0	0	0
Toilets	0	0	0
Lavatories	0	0	0
Sinks	4	0	-4
Drinking Fouintains	2	0	-2
Building #2- Classroom Bldg.			
Urinals	4	0	-4
Toilets	7	0	-7
Lavatories	6	0	-6
Sinks	4	0	-4
Drinking Fouintains	2	0	-2
Building #3 - Classroom Bldg.			
Urinals	0	0	0
Toilets	0	0	0
Lavatories	0	0	0
Sinks	2	0	-2
Building #4 - Classroom Bldg.			
Urinals	0	0	0
Toilets	0	0	0
Lavatories	0	0	0
Sinks	5	0	-5
Building #6 - Classroom Bldg.			
Urinals	0	0	0
Toilets	0	0	0
Lavatories	0	0	0
Sinks	2	0	-2
Building #7 - Administration Bldg.			
Urinals	0	0	0
Toilets	3	0	-3
Lavatories	3	0	-3
Sinks	1	0	-1
Drinking Fouintains	1	0	-1
Building #9 - Kitchen/Media Center			
Urinals	4	0	-4
Toilets	7	0	-7
Lavatories	5	0	-5
Sinks	4	0	-4
Drinking Fouintains	4	0	-4
Building #11 - Kindergarten Bldg.			
Urinals	0	0	0
Toilets	4	0	-4
Lavatories	2	0	-2
Sinks	2	0	-2
Drinking Fouintains	1	0	-1

Building #12 - Classroom Bldg.			
Urinals	0	0	0
Toilets	2	0	-2
Lavatories	2	0	-2
Sinks	2	0	-2
Building #13 - Locker Rooms			
Urinals	4	0	-4
Toilets	5	0	-5
Lavatories	6	0	-6
Sinks	3	0	-3
Showers	16	0	-16
Drinking Fouintains	6	0	-6
Building #14 - Middle Schl. R.R.'s			
Urinals	5	0	-5
Toilets	7	0	-7
Lavatories	2	0	-2
Sinks	2	0	-2
Total School Fixture Adjustment			**-141**

Santee School Adjustment - Urinals	-17
Toilets	-35
Lavatories	-26
Sinks	31
Drinking Fountains	-16
Showers	-16

	Net Change
Total District Fixture Adjustment	**-89**

There are 89 less fixtures units now at Santee School District

Total District Fixture Adjustment by fixture type:

***Urinals**	**-26**
Toilets	**-49**
Lavatories	**-9**
****Sinks**	**136**
Drinking Fountains	**5**
Showers	**-146**

* All Urinals in the Santee School District have been replaced with Waterless Urinals.

** A high majority of the Sinks that were added to the overall Santee School District fixture count are low usage Science Sinks that were incorporated into the design of the new classroom buildings.

Irrigation Systems Assessment

School	Reclaimed Available	Meter Type Status	Irrigation Controls	Comments
Hill Creek	NO	Irrigation meter needed	Cal Sense only at field	With large grass field and Cal sense system, we need to split the irrigation to an irrigation only meter ASAP to avoid the sewer fees on current irrigation use since the field expansion. During the construction, many old planter areas will be destroyed and we should take this opportunity to replant these areas with drought tolerant plantings.
Carlton Hills	YES	NEED final testing to set purple meter	Cal Sense only at field	With large grass fields and a Cal sense system, we need to get the purple meter set ASAP to avoid the sewer fees on current irrigation use since the field expansion.
Sycamore Canyon	NO	Irrigation meter needed	Cal Sense system partially in place not field or lawn	With a large grass field and Cal sense system, we need to split the irrigation to an irrigation only meter ASAP to avoid the sewer fees on current irrigation use since this site has expansive grass areas and a track and field.
Carlton Oaks	NO	Irrigation meter needed	Cal Sense system only at field	With large grass fields and Cal sense system needed to split the irrigation to an irrigation only meter ASAP, we need to avoid the sewer fees on current irrigation use since the field expansion.
Prospect Avenue	YES	Site currently has a purple meter for field only	Cal Sense only at field	With large grass fields and partial Cal sense system, we need to split the irrigation school landscape to a reclaimed meter ASAP to avoid the sewer fees on current irrigation use since this site has expansive grass areas between the school buildings. We should also address planting plans to replace water hungry grass planter lawns with drought tolerant landscapes. During the construction, many old grass lawn planter areas will be destroyed and we should take this opportunity to replant these areas with drought tolerant plantings.
Pepper Drive HELIX Water Padre Sewer	NO	Irrigation meter needed	No Cal Sense complete system, or flow sensor	With a large grass field and no Cal sense system, we need to split the irrigation school landscape to an irrigation meter ASAP to avoid the sewer fees on current irrigation use since this site is very large with expansive landscape areas. Pepper has two expansive grass areas and lawns between the school buildings. We should also address planting plans to replace water hungry grass planter lawns with drought tolerant landscapes.
Chet F. Harritt	YES	Site currently has a purple meter for field only	No Cal Sense complete system, or flow sensor	With planned ball fields' project and partial Cal sense system, we need to split the school landscape irrigation to existing purple meter to avoid the sewer fees on current irrigation use. Chet has a small grass area and lawns around the school buildings. We should address planting plans to replace water hungry grass planter lawns with drought tolerant landscapes. Since the cost to split irrigation is costly, this site would benefit with a revised drought tolerant planting plan ASAP. During the construction, many old grass lawn planter areas will be destroyed and we should take this opportunity to replant these areas with drought tolerant plantings.

Irrigation Systems Assessment

Rio Seco	YES	Site currenily has a purple meter for ball fields only	No Cal Sense complete system, or flow sensor	With large grass ball fields and a partial Cal sense system, we need to split the school landscape irrigation to a reclaimed meter ASAP to avoid the sewer fees on current irrigation use since this site has grass and planter areas between the school buildings. We should also address planting plans to replace landscape with drought tolerant landscapes.
Cajon Park	YES	NEED final testing to set / replace purple meter	Cal Sense system partially in place only at the JH	With a large landscape site and partial Cal sense system, we need to get the purple meter set ASAP to avoid the sewer fees on current irrigation use. We need to split the remaining school landscape irrigation to a purple irrigation meter ASAP to avoid the sewer fees on current irrigation use since this site is very large with expansive landscape areas. Cajon Park has expansive grass areas and lawns between the school buildings. We should also address planting plans to replace water hungry grass planter lawns with drought tolerant landscapes.
District office	YES	Need a purple meter	No Cal Sense complete system, or flow sensor?	With grass and landscape areas and no Cal sense system, we need to split the irrigation at the district office compound landscape to a purple irrigation meter ASAP to avoid the sewer fees on current irrigation. We should address planting plans to replace water hungry grass planter lawns with drought tolerant landscapes ASAP as the most cost efficient measure and review the water costs for DO landscape against the cost benefit of having a split irrigation meter since there are not large field requirements or grass needed. This site may be resolved with a change of planting options.

Discussion and/or Action Item E.2.1. Modernization and Construction
Prepared by Dr. Lis Johnson Schedule for Summer 2009
~~May 5~~, 2009
June 2

BACKGROUND:

The Superintendent will provide the board of Education with a summary of the decisions from the special Board meeting held on May 22, 2009 for modernization summer work. The attachments indicate the decisions made by the Board and the fiscal impact if bridge financing through the Bond Anticipation Notes in the amount of $18.9 is received.

RECOMMENDATION:

The Board took action on this item on May 22, 2009 and the Superintendent is providing a summary for the public. Any additional action is at the discretion of the Board.

FISCAL IMPACT:

The fiscal impact of these decisions is $3M for infrastructure for three schools: Chet F. Harritt, Hill Creek, and Prospect Avenue. Prospect Avenue will also be modernized at a cost of $7M. In addition, the Board approved Pepper Drive projects and split irrigation, and directed the Superintendent to investigate wireless costs. The total fiscal impact, of these decisions, including additional approved summer projects, is approximately $10.8M. This is contingent on the BAN funds being received in the amount of $18.9M. The Board may also deduct from the BAN funds an additional $4M in consideration for repayment of District funds used for previously paid Phase I CIP bills, currently totaling $4M for April and May. That will leave a balance to complete Phase I construction of $4M for July and August Phase I bills.

STUDENT ACHIEVEMENT:

All modernization projects are intended to upgrade facilities to improve learning environments and foster improved student achievement.

Motion:		Second:		Vote:		Agenda Item E.2.1

CAPITAL IMPROVEMENT PROGRAM BOARD APPROVALS May 22, 2009		
		Amount
A. Approval of Item E,F,&G		
	Infrastructure at Chet F. Harritt and Hill Creek	$2,000,000
	Prospect Avenue Modernization (including Infrastructure)	$8,000,000
	Sub Total	***10,000,000***
	Pepper Drive Summer work	$330,000
B.	***Split Irrigation systems at all schools.***	$450,000
C.	***Wireless Technolgy at Prospect Avenue***	$25,000
	Sub Total	***$805,000***
	Grand Total	***10,805,000***

CAPITAL IMPROVEMENT PROGRAM BOARD OPTIONS
May 22, 2009

	DELETION / SAVINGS OPTIONS	COSTS	SUMMARY
1	Pepper Drive summer work.	$330,000	Cost savings only.
2	Carlton Hills Library/Tech. (In contract)	$1 million	Some savings, but construction litigation issues would outweigh.
3	Hold on Chet F. Harritt ball field	$2 million	May be the politically correct thing to do to delete when all schools cannot be completed.
4	Prospect's alternate parking lot. (In contract)	$375,000	Cost savings only.
5	Prospect's new roof and skylights (In contract)	$200,000	Cost savings only.
6	Hold on Hill Creek Library/Tech.	$1 million	This is a separate DSA permit
7	Hold on 9 remaining play structures planned.	$550,000	Can be implemented easily when funding is realized.
8	Split irrigation systems planned.	$450,000	Will decrease water usage costs.
9	Hold on Carlton Hills Library shelving system purchase planned.	$25,000	We could use interim rolling book carts.
10	Investigate wireless technology systems at Prospect Avenue.	$25,000	Can be implemented easily when funding is realized.
11	Investigate Library computers planned.	$200,000	Can be implemented easily when funding is realized.

KEY:

White	On Hold
Grey	Included in existing contracts
Yellow	Additional work approved on May 22, 2009
Orange	Superintendent is investigating