

**LOMA PRIETA JOINT UNION ELEMENTARY SCHOOL DISTRICT
REGULAR BOARD MEETING – BOARD OF TRUSTEES
December 14, 2011
Loma Prieta Forum**

BOARD MEMBERS: Paula Lacey, President
Rachelle Lopp, Vice President
Shannon Hickok, Member
Mario Montana, Member
Jennifer Straw, Member

BOARD MEMBERS ABSENT: Rachelle Lopp
Mario Montana attended closed session only

SECRETARY PRESENT: Patricia Lamson

ROLL CALL TO ORDER: 6:02 p.m.

Approval of Agenda **Approved 4-0**
A **MOTION** was made by Ms. Lopp and seconded by Ms. Hickok to approve the agenda.

RECESS TO CLOSED SESSION

CONVENE ANNUAL ORGANIZATIONAL MEETING ELECTION
Ms. Lamson presided over the election of officers of the Board of Trustees.

Nomination of **Ms. Lacey** to the office of 2012 President of the **Approved 3-0**
Board of Trustees was made by Ms. Straw. A **MOTION** to elect Ms. Lacey was made by Ms.
Straw and seconded by Ms. Hickok.

Nomination of **Ms. Hickok** to the office of 2012 Vice President of the **Approved 3-0**
Board of Trustees was made by Ms. Straw. A **MOTION** to elect Ms. Hickok was made by Ms.
Straw and seconded by Ms. Lacey.

Nomination to appoint **Ms. Lamson** to the position of 2012 Secretary **Approved 3-0**
to the Board of Trustees was made by Ms. Lacey. A **MOTION** to appoint Ms. Lamson was
made by Ms. Lacey and seconded by Ms. Hickok.

Nomination of Ms. Straw to represent the District when voting for **Approved 3-0**
candidates to the Santa Clara County Committee on District Organization was made by Ms.
Lacey. A **MOTION** to elect **Ms. Straw** was made by Ms. Lacey and seconded by Ms. Hickok.

Announcement of liaisons to school support organizations was rescheduled to the January 18,
2012 meeting due to the illness and absence of Ms. Lopp.

8.2 encl. # 8

OPEN REGULAR SESSION

Closed Session Report - Ms. Lacey reported that a CSEA negotiations update was provided by Ms. Lamson and Ms. Vance and discussion of the evaluation of the interim superintendent occurred during closed session. No action was taken.

Written Correspondence - Mr. Bill Taylor provided correspondence regarding photovoltaic systems. The correspondence was held until the agenda item 8.7 was discussed.

REPORTS

Board of Trustees – Ms. Straw attended the recent Superintendents’ Coordinating Council meeting, a “Building 21st Century Schools” workshop and a Wells Fargo Bank grant award ceremony.

Ms. Hickok – no report.

Ms. Lacey attended meetings to address the current parcel tax renewal. She stated she would provide detailed information during the discussion of agenda item 8.4.

Superintendent (Ms. Lamson) – Ms. Lamson stated there were no complaints filed pursuant to the Williams Settlement during the third reporting quarter. Ms. Lamson presented a district award to Mr. Levenhagen for low risk achievement as provided by Schools Insurance Group. Ms. Lamson watched both casts of Aladdin, Jr. over the weekend. She was very impressed with the production, the parent involvement and student talent. Ms. Lamson enjoyed her experience at the CT HSC holiday craft faire and commended Ms. O’Malley and her volunteers on a job well done. Ms. Lamson reported she and Ms. Kidwell are discussing Transitional Kindergarten, which must be implemented in the 2012-2013 year. Ms. Lamson will provide a recommendation to the Board at the January 18th meeting. Registration will begin in February 2012. Visitations of pilot sites will occur in January. Ms. Lamson held a Superintendents’ Coordinating Council meeting in November, which involved two-way dialogue on such topics as budget, Town Hall meeting themes and the parcel tax.

Principal (Ms. Kidwell) – Ms. Kidwell reported the 8th grade girls’ basketball team advanced to the final championship game. An astronaut is scheduled to visit Loma Elementary at the end of the week. Ms. Kidwell commented that Aladdin, Jr. was fantastic. Discussion of instructional technology/differentiated instruction occurred during teacher-to-teacher time earlier in the day. EPGY is staffed and running. The Loma Lab will host EPGY and First in Math. The District received a \$5310 grant from the Los Gatos Lions Club, which will be used to support middle school students’ emotional health. Based on surveys, our students don’t feel they are given the opportunity to provide enough services to the community. Ways to connect students with our community will be discussed at the School Site Council meeting of December 21st.

CBO (Ms. Vance) – Ms. Vance opted to provide information when agenda items are presented later in the meeting.

Director of Special Education (Ms. Vidmar) – Absent

School Services (Mr. Levenhagen) – Mr. Levenhagen opted to provide information when agenda items are presented later in the meeting.

CTA (Mr. Thompson) – Mr. Thompson stated staff development discussions are exciting as they relate to technology priorities. Mr. Thompson stated the teachers’ look forward to working with staff to mitigate the budget shortfall.

CSEA (Ms. Fulton) – No report.

LPEF (Ms. Lane) – Ms. Lane reported an income of \$4100 from the Loma Day at Peacock Tree Farm. She expressed her appreciation to the Hofner family for their generosity. Ms. Lane

attended a Wells Fargo Bank grant ceremony where LPEF received a \$5000 education fund grant. She has learned of a Wells Fargo Bank sponsored website established to teach children about money.

PUBLIC COMMENT – None

PUBLIC HEARING - None

DISCUSSION/ACTION ITEMS

Accept 2010-2011 Audit Report

Approved 3-0

A **MOTION** was made by Ms. Straw and seconded by Ms. Hickok to accept the 2010-2011 Audit Report as presented by Mr. Ahmad Gharaibeh. Mr. Gharaibeh indicated Vavrinek, Trine, Day and Company provided a clean unqualified opinion. There were no audit adjustments and no exceptions or findings. He noted the district obtained a waiver regarding the ratio of salaries of classroom teachers as compared to the percent of current expense of education. This waiver was obtained due to financial hardship had the district attempted to meet this requirement.

Approve First Interim Budget Report

Approved 3-0

A **MOTION** was made by Ms. Hickok and seconded by Ms. Straw to approve the First Interim Budget Report as presented. Ms. Vance presented information as follows:

Loma Prieta School District

1st Interim Report 2011-12

- Loma Prieta District Assumptions for 2011-12 Projections
- General Fund
 - Revenue and Expense Assumptions
 - Changes from 2011-12 Adopted Budget
 - Summary of SACS Report
- Multi Year Projection
- Cash Flow

1st Interim Projection Assumptions

Revenues

- Both counties have projected small increases for 2011-12, totaling \$19,350.
- 13 Lakeside students attending CTE, for a total of \$88,205, a decrease of \$9,800 budgeted in the Adopted Budget.
- Estimate that our Class Size Reduction penalty will mean a \$9,600 decrease in revenues.
- Align categorical flexibility programs with entitlements increased the budget a net of \$8,500.
- LPEF has provided \$356,000 KEEP dollars, an increase of \$54,000 over the Adopted budget.
- Federal Education Jobs Fund, \$3,300 more in funding, \$3,000 carryover from last year.
- Whitney Foundation granted \$15,000 for 11-12 Fine Arts program.

Revenues Continued

- New 2011-12 Rural Education Achievement Grant of \$35,000.
- Special Education appropriations increased \$11,800.
- Mental Health funding of \$8,288.
- Home-to-School entitlement reduced by \$49,000 in the mid-year “trigger” reductions.
- Miscellaneous reductions of \$14,500.
- The governor announced yesterday that mid-year “trigger” cuts will be less than expected (\$13/ADA instead of \$210/ADA; half of Home-to-School transportation cut). We will learn in January if the ADA cuts will be taken from basic aid schools this year or will be added to cuts next year.

Expenses

- Off-schedule stipend and one additional step for certificated staff; \$20,800 increase
- CSEA negotiations have not been settled.
- No benefits increases projected for any unit.
- Allocation to deferred maintenance of \$16,877.
- Library services \$49,000 increase funded by KEEP
- Safety net services \$8,200 funded by KEEP
- Special Education mental health services increase \$8,288
- Fine Arts instruction at CTE increased \$15,000 funded by Whitney
- Board policy review increase \$2,900

Total General Fund Budget Changes

	Actuals 2010-11	Adopted 2011-12	Dec 2011-12
Beginning Balance	573,229	669,218	669,218
Revenues			
Revenue Changes Favorable (Unfavorable)			
Federal Education Jobs Fund (3)	0	0	7,356
KEEP Funding to \$356,000	0	0	54,000
Lakeside MOU	0	0	(9,795)
Property Tax Estimate			19,350
State Categoricals & Flexibility Programs			8,492
Class Size Reduction			(9,639)
Special Education State & Federal			11,794
Special Education Mental Health			8,288
Rural Education Achievement			35,470
Home-to-School Mid Year Cut (trigger)			(49,000)
Other			(14,500)
Whitney Foundation			15,000
Total Revenue	4,451,689	4,259,386	4,336,202
Expenses			
Expense Changes Unfavorable (favorable)			
Deferred Maintenance (1)			16,877
Certificated Salaries & Benefits (2)			20,803
Library Services (KEEP)			48,693
BOT Policy Review			2,900
Align Budget with Actuals			(9,103)
Special Ed Mental Health			8,288
Align teacher salaries			0
KEEP safety net services			8,323
Special Ed Instructional Aides			29,829
Top Hat Allocation			12,202
Rural Education Achievement programs			39,508
Fine Arts at CTE Sal & Ben (Whitney)			15,000
Miscellaneous			(10,422)
Total Expense	4,355,700	4,271,674	4,454,572
Contributions to (from) Other Funds	0	0	0
Projected Change in Fund Balance	95,989	(12,288)	(118,370)
Beginning Balance	573,229	669,218	669,218
Restatements of Fund Balance	0		
Projected Ending Balance	669,218	656,930	550,848
Restricted For:			
Special Ed Reserve	99,009	99,009	40,044
Transportation Fund Balance	54,600	54,600	12
Restricted Programs Fund Balance	87,114	87,114	102,922
Amount Available	428,495	416,207	407,870
Amount Available as a % of Total Expense	9.8%		9.2%
FY: Required 4% reserve in the unrestricted GF			178,183

Total General Fund

	2009-10	2010-11	2011-12	2011-12 1st Interim	2011-12 1st Interim
	Actuals	Actuals	Adopted	Changes	Projections
REVENUES					
Revenue Limit Sources	2,802,408	2,807,639	2,609,317	226,814	2,836,131
Federal Revenue	303,319	237,857	183,570	31,080	214,650
Other State Revenues	438,489	392,334	519,932	(267,559)	252,373
Other Local Revenues	844,532	1,013,859	946,567	86,481	1,033,048
TOTAL REVENUES	4,388,748	4,451,689	4,259,386	76,816	4,336,202
EXPENDITURES					
Certificated Salaries	1,907,033	1,923,342	1,797,601	(17,533)	1,780,068
Classified Salaries	1,024,377	959,057	952,951	72,153	1,025,104
Employee Benefits	705,290	699,029	714,289	29,449	743,734
Books And Supplies	139,789	192,465	193,920	86,475	280,395
Services and Operating Expenses	689,005	576,748	586,296	11,732	598,028
Capital Outlay	0	5,056	0	625	625
Other Outgo	0	0	26,618	0	26,618
TOTAL EXPENDITURES	4,465,494	4,355,697	4,271,675	182,897	4,454,572
Contributions to Other Fund (from)	0	0	0	0	0
TOTAL EXPENDITURES & OTHER FINANCING SOURCES/USES	4,465,494	4,355,697	4,271,675	182,897	4,454,572
NET INCREASE (DECREASE) IN FUND BALANCE	(76,746)	95,992		(106,081)	(118,370)
BEGINNING BALANCE	649,975	573,229		669,221	669,221
Restatements		0			
ENDING BALANCE	573,229	669,221			550,851
Unrestricted Ending Balance	319,553	428,498	463,766		407,873
% of Total GF Expenses	7.16%	9.84%	10.86%		9.16%
Required 4% reserve for Economic Uncertainty					178,183
Amount in reserve over state requirement					229,690

Multi Year Projections for 2012-13 and 2013-14

Revenues

- Property tax revenues will stay flat in 2012/13-2013/14.
- As a Basic Aid district, we will continue to have to pay our “fair share” in the budget deficits impacting revenue limit districts. For 2011-12, we began with an 8.92% cut, or \$219,890 (SB 70). Yesterday, the governor announced that the trigger language in the State Budget will be “pulled,” and we will get a mid-year cut of \$49,000 to Home-to-School Transportation. This cut will be ongoing.
- The mid-year trigger cut for revenue limit districts averages \$13/ADA. *We will learn in January if basic aid districts will take the same cut for 2011-12, or if it will be paid in arrears next year.*
- Basic Aid districts “fair share” cuts have been based on the prior year cuts to revenue limit districts. Therefore, an *additional* \$210/ADA will be planned for 2012-13 and beyond for our fair share reduction. $-\$210 \times 422 = -\$88,620$. We assume it will be ongoing for 2013-14 also.
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- Number of special education students placed in County program and private schools will be reduced by 1 in 2012-13. This is reflected as an increase in state revenues (flowing through the County).
- The County stipulates that we cannot include one-time funding, like foundation fund raising efforts, in our multi-year projections. Therefore, the local revenues have been reduced by \$356,000 in 2012-13 and 2013-14.
- We will continue to have 13 transfers from Lakeside, at \$6,785 per student = \$88,205, in each of the next 3 years.
- We assume the parcel tax of \$150 will continue to be collected.

Expenses

- No salary increases for any unit for 2012-13 and beyond are projected yet.
- Our health benefits paid by the District are currently capped at \$5,954. No benefit increases are projected yet.
- 11.0 teachers at Loma; 7.2 at CTE; 2.8 in Special Ed
- Step and column increases projected for certificated and classified staff, not management and confidential.

Expenses continued

- Beginning this year, the unrestricted general fund will have to pay for some of the debt service on our lease-back loan.
- Increases in utilities rates will be absorbed by current budget.
- \$46,000 for Parcel Tax renewal on ballot in 2011-12; \$18K in Board election costs in 2012-13, no election costs in 2013-14.
- With the revenue and expense adjustments assumed here, we would have to cut our expenditures or increase revenues significantly in order to maintain our reserves at the level projected for 6/30/12. At this time, the reductions necessary to maintain this fund balance are presented in the “yet unspecified expenditure reductions” line.

Enrollment

Actual 2011-12 as of November: 445 students (est ADA 424)

Projected 2012-13: 437 (est ADA 414)

Projected 2013-14: 432 (est ADA 409)

Average daily attendance over last 3 years is 95%.

Reserves

- Maintain the unrestricted general fund reserve (reserve for economic uncertainties in funds 01, 10, 18, 20 & 40) at the same dollar level as projected for 6/30/12, \$407,873. That means an unrestricted general fund budget that is balanced. This keeps the reserve at about 10.5%.
- This will not be able to be sustained. Projections for the Transportation fund are that we will have \$0 fund balance at 6/30/11, and the Special Education fund balance will decline to \$40,000. Both programs have expenses that exceed revenues and reserves next year.
- For the purposes of the MYP required by the County, without KEEP funding, we would have to cut \$500,000 from our expenditure budget to have a balanced budget. **Even if we get KEEP funding at the same level (\$356,000) we have to cut \$144,000 from our budget to maintain reserves at the 6/30/12 levels.**

School District's Criteria and Standards
 Summary Review for 2011-12 1st Interim Report
 Multi-Year Projection Report
 General Fund (Restricted/Unrestricted Combined)

School District: Loma Prieta

Budget Report _____	Projected 2011-12	Year 1 2012-13	Year 2 2013-14	Comments/Justification/Assumptions
First Interim Report <u> X </u>				
Second Interim Report _____	\$ Amount	\$ Amount	\$ Amount	
Enrollment	446	437	432	
Projected R/L ADA	422	414	409	
Revenue Limit COLA (%)	2.240	3.100	2.810	
Deficit Factor for Revenue Limit	17.963	19.754	19.754	
BEGINNING BALANCE	669,220	550,850	583,667	
Revenue Limit Sources	2,836,131	2,747,511	2,747,511	
Federal Revenues	214,650	184,650	184,650	
Other State Revenues	252,373	322,373	322,373	
Other Local Revenues	1,033,048	677,048	677,048	Assumes no KEEP in 12-13 and 13-14
TOTAL INCOME	4,336,202	3,931,582	3,931,582	
Certificated Salaries	1,780,068	1,780,068	1,801,981	
Step and Column	0	21,913	22,247	
Classified Salaries	1,025,104	1,025,104	1,045,607	
Step and Column	0	20,503	20,928	
Fringe Benefits	743,734	686,113	695,200	
Other Estimated Expense (4XXX-7XXX except Transfers)	894,048	845,523	827,523	
Other: Yet Unspecified expenditure reductions	0	-492,077	-510,402	Note the level of cuts necessary to maintain reserves
TOTAL EXPENSE	4,442,954	3,887,147	3,903,081	
Excess (Deficiency) of Revenue over Expenditures	-106,752	44,435	28,501	
Transfers In From Other Funds 8910-8929	0	0	0	
Transfers Out to Other Funds 7610-7629	0	0	0	
Other Sources 8930-8979	0	0	0	
Other Uses 7630-7699	-11,618	-11,618	-11,618	
Net Change in Fund Balance	-118,370	32,817	16,883	
ENDING BALANCE with current budget projections	550,850	583,667	600,550	
UNRESTRICTED Reserve for Economic Uncertainties	407,873	407,873	407,873	Maintaining reserves; cuts or revenue increases above
Reserve as % of Total Expense %	9.16%	10.49%	10.45%	
% of Required Reserve for this school district %	4.00%	4.00%	4.00%	
\$ Amount of Required Reserve for this school district	177,718	158,486	158,123	
Ending Balance - Reserve for Economic Uncertainty	230,155	252,387	251,760	

Cash Flow With TRANS

Updated December, 2011

	Actual						Projected					
	July	August	September	October	November	December	January	February	March	April	May	June
Beginning Cash Balance (A)	172,018	2,660,363	1,369,931	1,030,559	795,902	512,854	1,661,578	928,821	601,855	346,593	428,869	102,710
ESTIMATED REVENUE												
Revenue Limit												
Local Property Tax.....8020-8079	66	3,709	2	78,685	68,016	1,226,591	59,661	-	62,260	1,008,602	7,590	267,939
2011-12 Principal Apportionment Schedule.....8010-8019			(1,088)	-	-	-	(1,973)	(19)	-	(161)	(50)	-
Other (Per District Input).....8030-8039				-	-	-	-	-	-	-	-	-
Federal Revenues.....8100-8299		10,217	17,292	(13,665)	2,487	49,499	(664)	6,032	51,945	3,684	9,180	61,525
Other State Revenue.....8900-8999		9,660	8,622	63,796	6,771	22,598	18,112	50,708	13,011	13,949	8,413	31,608
Other Local Revenues (Per District Input).....8800-8799	23,345	(5,647)	68,369	26,502	88,218	236,471	157,814	16,690	18,235	30,568	24,527	428,527
Interfund Transfers In (Per District Input).....8310-8329	-	-	-	-	-	-	-	-	-	-	-	-
All Other Financing Sources (Per District Input).....8331-8399	-	-	-	-	-	-	-	-	-	-	-	-
(B) Total Estimated Revenue - Cash Inflow	23,411	17,940	93,197	155,318	165,492	1,535,158	232,950	73,412	145,471	1,056,643	49,660	789,619
ESTIMATED DISBURSEMENTS (Based on 2 year Trend)												
Certificated Salaries.....1000-1999	9,557	27,237	167,675	164,825	172,318	173,023	173,023	173,735	171,955	172,845	169,284	170,531
Classified Salaries.....2000-2999	40,588	63,178	100,713	92,903	91,749	92,259	83,671	83,697	87,851	92,977	83,648	95,745
Employee Benefits.....3000-3999	25,747	35,561	61,223	61,201	64,843	66,506	66,506	70,365	66,052	68,927	67,187	69,684
Supplies.....4000-4999	3,039	19,231	33,397	22,230	17,061	25,852	21,226	22,347	16,095	26,497	19,544	32,049
Services.....5000-5999	28,483	55,591	58,587	36,716	47,180	28,794	58,780	44,234	58,780	55,621	35,531	103,313
Capital Outlays.....6000-6999				-	-	-	-	-	-	-	625	-
Other Outgo and Other.....7000-7999				-	34,255	-	-	-	-	-	-	-
(C) Total Estimated Expenditures - Cash Outflow	107,440	206,798	421,395	377,875	427,386	386,435	408,207	400,378	400,733	416,867	375,819	471,321
(B) - (C) = (D) Net Increase / Decrease	(84,029)	(188,858)	(328,198)	(222,557)	(261,894)	1,148,724	(175,256)	(326,966)	(255,262)	639,776	(326,159)	318,298
Receipts of / (Payments against) TRANS (Per County Controller's	2,230,000	(1,115,000)	-	-	-	-	(557,500)	-	-	(557,500)	-	-
CSAR Reserve (F) (Per District Input)	-	-	-	-	-	-	-	-	-	-	-	-
Prior Year Transactions (G)												
Accounts Receivable.....9115-9340	390,759	33,341	(9,942)	13,189	(24,878)	-	-	-	-	-	-	(93,000)
Accounts Payable.....9500-9669	35,313	10,894	1,470	20,491	-	-	-	-	-	-	-	-
Suspense Accounts.....9310-9399	13,073	9,021	(437)	4,798	(3,724)	-	-	-	-	-	-	-
Total Prior Year Transactions	342,373	13,426	(10,974)	(12,100)	(21,154)	-	-	-	-	-	-	(93,000)
Ending Cash Balance (A) + (D) + (E) + (F) + (G)	2,660,363	1,369,931	1,030,559	795,902	512,854	1,661,578	928,821	601,855	346,593	428,869	102,710	323,008

Approve Annual Developer Fee Report

Approved 3-0

A MOTION was made by Ms. Straw and seconded by Ms. Hickok to approve the annual Developer Fee report as presented. There was no increase to the \$2.97 per square foot fee.

Discuss Parcel Tax Renewal – June 5, 2012

Ms. Lamson provided background information stating as the District prepared to enter into the process of parcel tax renewal, more was learned about the Gann Appropriations Limit. It was learned that recently Los Altos and Cambrian school districts have requested and received a pardon from the Santa Clara County Tax Collector to skip going out for election. Public disclosure of use of the funds remains a requirement with this pardon. The District is taking steps with an attorney to evaluate and determine whether the Loma Prieta district might also receive the same pardon. The need for transparency with the community was discussed. It was suggested to the audience that they attend the January 18th regular board meeting as this topic will again be discussed. Some board action may occur at that meeting.

Discuss North Campus Building

Ms. Lamson stated the construction of a new daycare facility was suspended in 2005 due to lack of funds. Ms. Lamson would like the building to be included in the ten (10) year deferred maintenance plan. The plan will include other types of needs in the event that the District looks toward a construction bond. If the building isn't taken care of, it will deteriorate to an unusable state. If the District would need another kindergarten facility due to Transitional Kindergarten mandates, the District may have to use that site. For these reasons, a feasibility study of the requirements to complete the building is recommended.

Approve Contract with Dreiling, Terrones Architecture, Inc. For North Campus Kindergarten Room

Approved 3-0

A MOTION was made by Ms. Hickok and seconded by Ms. Straw to approve a feasibility study with the above mentioned firm to receive a projected costs consideration to complete a DSA approved Kindergarten facility.

Discuss Solar Power Possibilities

An ad hoc committee has been conducting some investigation into solar power possibilities. Members are Patricia Lamson, Jennifer Straw, Tom Levenhagen and Bill Winkleman. It is estimated the District spends approximately \$60,000 each year on electricity. Production expectations have been discussed. Mr. Bill Winkleman has generated illustrations showing solar panels installed in various locations deemed beneficial for collecting and converting solar energy on district land. Cost of installation has been discussed. Funding options have been discussed. It is estimated that solar equipment would cost \$1M. If panels were installed on the roof of a parking structure, an additional \$1M would be necessary to build the parking structure. Mr. Bill Taylor submitted written correspondence to the Board addressing photovoltaic systems. As requested, his letter was read aloud. His correspondence is attached. Mr Taylor has agreed to join this ad hoc committee.

Mr. Katinsky made a public comment expressing his thought that \$1M verses \$60,000 in annual electrical costs should be considered very thoroughly by the Board.

Ms. Lane stated windmills are much less expensive.

CONSENT ITEMS

Approved 3-0

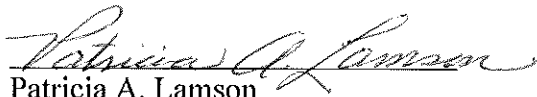
A MOTION was made by Ms. Straw and seconded by Ms. Hickok to approve the consent items as follows: Personnel Report #12/14/11, warrants in the amount of \$182,844, minutes of November 9, 2011 and a cash donations in the amount of \$245 from the Nelson family.

PENDING AGENDA ITEMS – A transportation report and budget updates will be provided in January. Ms. Lamson will determine when a discussion of rental fees will occur.

FUTURE MEETING DATES – No new meetings were added to the approved schedule.

ADJOURNMENT – 9:07 p.m.

Submitted by:

A handwritten signature in cursive script, reading "Patricia A. Lamson".

Patricia A. Lamson

PAL:ebf 1/12

Loma Prieta School Board Meeting
December 14, 2011

PHOTOVOLTAIC SYSTEMS

Bill Taylor

•
West Valley – Mission Community College District
Facilities Manager

•
President – W. L. Taylor Construction, Inc.

•
Advanced Certified Green Building Professional – Build it Green

•
Green Building Consultant

Before starting any PV Project, a District should conduct a comprehensive Feasibility Study. This study consists of several parts:

1. Energy Audit of Existing Facility:
 - a. Lighting
 - b. HVAC
 - c. Computers/ Servers/ Printers, etc.
 - d. Building Controls
 - e. Usage

In many instances, PG&E will perform this audit free of charge to the District, or there are several great consultants who can assist.

2. Determine that ALL Energy Savings Measures have been completed:
 - a. Lighting Retrofits: T-12 Fluorescents to T-8 or T-5
 - b. LED Retrofits for Exterior Lights
 - c. Lighting Occupancy Sensors
 - d. Plug Occupancy Sensors
 - e. High Efficient HVAC Systems
 - f. Building Envelope Sealing
 - g. Cool Roofing
 - h. Use Scheduling

It makes no sense to pay for Electrical Energy Generation on inefficient buildings. For example, if your Buildings are 30% inefficient, then 30% of the money invested in the PV System is WASTED. These energy savings measures have a 2 – 3 year payback in energy savings versus 20+ years for a simple above ground Parking Structure PV System.

3. Study the various options of installing a PV System

- a. Outright Purchase
- b. PPA – Power Purchase Agreement
- c. Lease
- d. Etc.

The Technology changes fast. Maintenance can be costly. It might not be prudent to commit to owning a system that has a 20 year payback when its useful life is much less.

4. Develop an Annual Production Model based upon historical weather data.

We get over 60 inches of rain per year in these mountains. That means that much of the time, we will not be getting optimum results from our PV System. This, along with maintenance, needs to be factored in to the Return on Investment, ROI.

5. Study Funding Sources.
- a. PG&E Rebates and Incentives
 - b. State and Federal Grants
 - c. Low Interest Loans
 - d. Bonds
 - e. Etc.

PV Systems are expensive. Costs for Basic Parking Lot Shade Structure Systems average around \$5,000/ Kwh.

A 250 Kwh system would cost around \$1,250,000.

Lighting and HVAC retrofits are much less expensive and can result in similar savings and a much greater ROI.