

**STUDY SESSION
OF BOARD OF EDUCATION**

MINUTES

August 12, 2015

The meeting was called to order at 5:03 p.m. by President Alicia Anderson in the Boardroom at the District Office, 15110 California Avenue, Paramount California.

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| Roll Call | Trustee Alicia Anderson Trustee Tony Peña - ill Trustee Sonya Cuellar | Trustee Linda Garcia Trustee Vivian Hansen |
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| Administrator's Present | Delores Stephens, Co-Interim Superintendent David Verdugo, Co-Interim Superintendent Ranita Browning, Interim Assistant Superintendent-Business Services Myrna Morales, Assistant Superintendent-Human Resources Deborah Stark, Assistant Superintendent-Educational Services Cindy DiPaola, Director-Maintenance & Operations |
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| Approve Study Session Meeting Agenda August 12, 2015 1.226 | Trustee Cuellar moved, Trustee Hansen seconded and the motion carried 4-0 to approve the August 12, 2015 Special Meeting agenda. Ayes: 4 – Trustees Anderson, Cuellar, Garcia, Hansen Absent: 1 – Trustee Peña |
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INFORMATION ITEM

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| Solar Energy Review with Partners For Many Generations Solar | Paul Mikos, President with PFMG and Alex Smith, Vice President Business Development provided the Board with information on energy engineered solar solutions and project benefits. |
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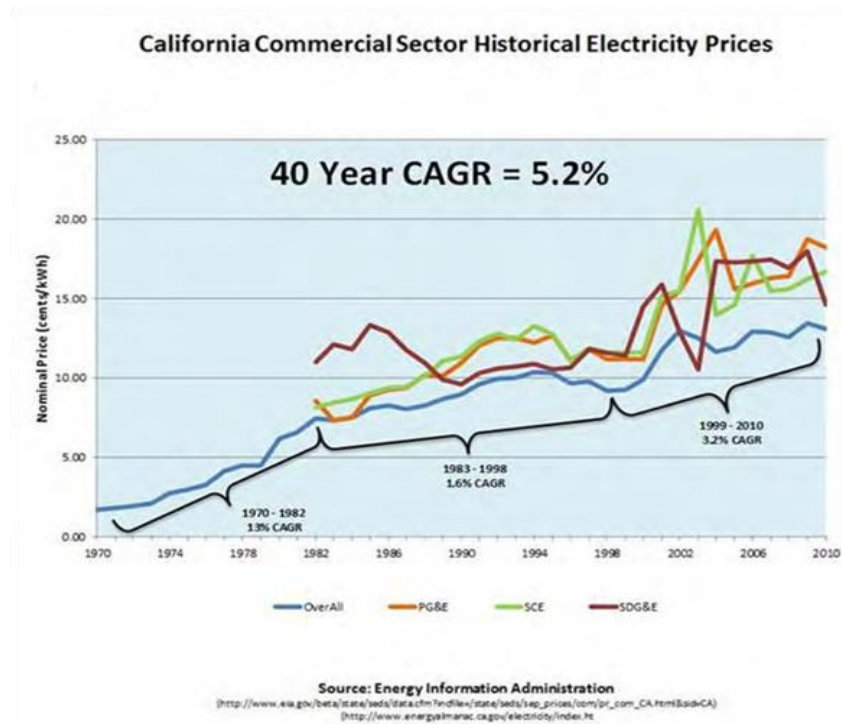
Mr. Smith shared Solar Project Benefits:

- Positive Impact to General Fund
 - \$780,000 in the first 5 years
 - \$13.9 Million over 25 years
- Educational Enrichment
 - Curriculum with solar as the center piece
- Local Hiring
- Improved Campus Security and Safety
 - Improved lighting in parking lots for path of travel
- Shade for Students, Cars and the Community
- Community Partnership

- Tailored support
- Environmental and Human Health Benefits
- Positive PR for the District

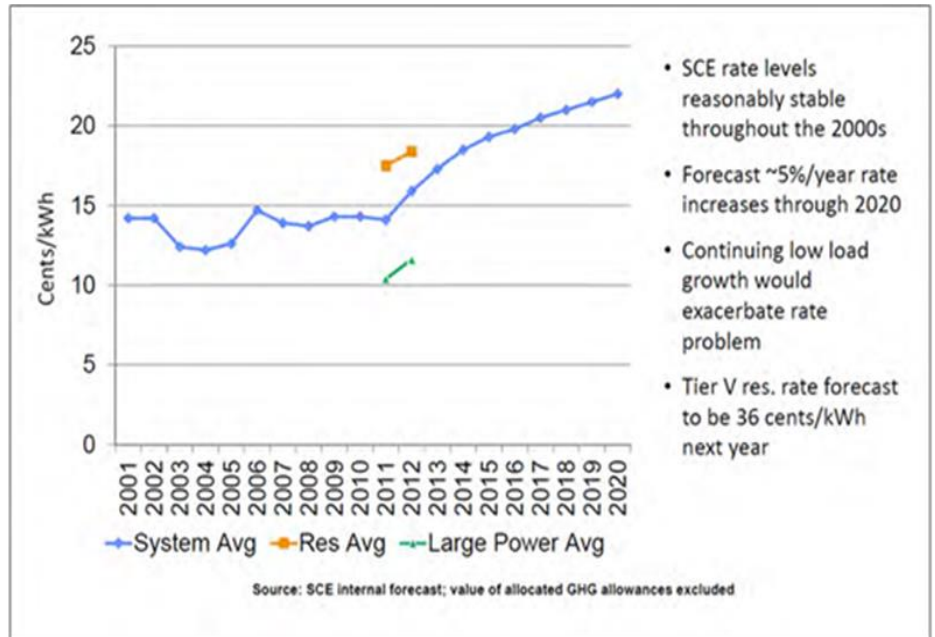
Savings Summary:

| Savings Projections | |
|---|-----------------------------|
| Savings Projection Years 1-5 | \$780,000 - \$970,000 |
| Cumulative Savings Projection, Years 1-25 | \$13,970,000 - \$17,250,000 |
| Power Purchase Agreement (PPA) Terms | |
| Capital Costs | \$0.00 |
| 1 st year PPA rate per kWh (aggregate) | \$0.1583 |
| PPA annual rate increase, to Year 15 | 3.90% |
| PPA annual rate increase, from Year 16 to end of term | 0.00% |
| PPA term | 25 years |
| Historical Consumption Data (for proposed meters) | |
| Total 12-month energy usage (kWh) | 8,588,520 |
| Total 12-month electricity cost during analysis period | \$1,700,413 |
| Average electricity rate on current tariff | \$0.1914 |
| Projected Utility Costs | |
| Average electricity rate on current tariff for 12-month period following projected solar operation date | \$0.2027 |
| Average utility annual rate increase | 5.0% |



Souther California Edison

- SCE raised rates over 10% in 2013
- SCE has raised rates by an additional 10% since the beginning of 2014
- SCE projects approximately 5% rate escalation through 2020



Power Purchase Agreement:

- Zero Capital Cost to Paramount Unified School District
- PFMG Solar Designs, Builds and Maintains Solar Energy Systems
- Tax Incentives Monetized
- Technology
 - Tier 1 components
- Increases Benefit of Prop 39 Funds
- End of PPA Term Flexibility
 - System removed at no cost to District
 - System purchased at fair market value
 - PPA renewed

Paramount USD Solar Project Details

- Positive Impact to General Fund
 - \$780,000 in the first 5 years
 - \$13.9 Million over 25 years

| Site Name | Mounting Type | System Size kW-DC | Estimated 1st Year kWh |
|---------------------------|--------------------|-------------------|------------------------|
| Alondra Middle School | Elevated Structure | 341.00 | 559,000 |
| Buena Vista High School | Elevated Structure | 155.00 | 254,000 |
| Collins Elementary School | Elevated Structure | 111.60 | 188,000 |
| District Office | Parking Canopy | 86.80 | 144,000 |
| Gaines Elementary School | Parking Canopy | 74.40 | 117,000 |
| Hollydale Grade School | Parking Canopy | 296.67 | 482,000 |

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|--------------------------------|-------------------------------------|--------|---------|
| Jackson Middle School | Parking Canopy | 183.21 | 297,000 |
| Jefferson Elementary School | Parking Canopy | 159.96 | 257,000 |
| Keppel Elementary School | Elevated Structure & Parking Canopy | 153.45 | 247,000 |
| Lincoln Elementary School | Parking Canopy | 192.51 | 309,000 |
| Los Cerritos Elementary School | Elevated Structure | 197.16 | 329,000 |
| Mokler Elementary School | Parking Canopy | 155.00 | 264,000 |
| Paramount Adult School | Parking Canopy | 174.84 | 282,000 |
| Paramount H.S. West Campus | Elevated Structure & Parking Canopy | 260.40 | 441,000 |
| Paramount Park Middle School | Elevated Structure & Parking Canopy | 198.40 | 413,000 |
| Roosevelt Elementary School | Parking Canopy | 235.60 | 384,000 |
| Tanner Elementary School | Parking Canopy | 179.80 | 306,000 |
| Wirtz Elementary School | Parking Canopy | 130.20 | 214,000 |
| Zamboni Elementary School | Elevated Structure & Parking Canopy | 235.60 | 409,000 |

PFMG Solar:

- The Solar Leader for Southern California Schools
 - 106 schools at 14 school districts
 - Energy Engineered
 - No Change Orders
- Partnership
 - Exceptional Client References
 - Educational Enhancements (Internships, Mentoring Programs, Scholarships, SkillsUSA)
- Construction with District Needs in Mind
 - DSA experts- 100% close-out of DSA numbers
- Safety
 - Enhanced Electrical Safety Specifications

Powering Schools = Empowering Students

- Use solar systems as labs for students
- Algebra, math, economics, writing
- Proven success of the program

Palmdale High School, students made a 14% overall gain on their test scores

California Government Code 4217:

- Designed to allow public agencies to take advantage of time sensitive incentives
- Provides flexibility and procurement for solar energy projects

Mr. Smith and Mr. Mikos thanked the Board for giving them the opportunity to present their services and a summary of their walk through of possible projects throughout the district.

ADJOURNMENT

Trustee Cuellar moved, Trustee Garcia seconded, and the motion carried 4-0 to adjourn the Special Meeting of the Board of Education held on August 12, 2015 at 5:53 p.m.

Ayes: 4 – Trustees Anderson, Cuellar, Garcia, Hansen
Absent: 1 – Trustee Peña

David Verdugo, Co-Secretary
To the Board of Education

President

Vice President/Clerk