

City of Lemoore

Phase 3 Solar Program – Item B



Chevron Energy Solutions

March 19, 2013

Presented by:

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Agenda



- Solar Project Layout
- Program Financial Analysis
- Program Benefits

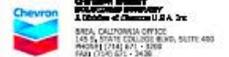
Well #12 – Cedar Lane & Bluejay Avenue: Fixed Tilt Ground Mounted Solar Project – 403 kW



CITY OF LEMOORE

**WATER WELL No. 12 & SPORTS PARK CONCEPT
BLUEJAY AVENUE & CEDAR LANE
LEMOORE, CA 93245**

3/13/2013



Program Financial Analysis



Project Fee \$1,373,239
 Financing Costs during Construction \$38,227
 Total Amount Financed \$1,411,466

1	2	3	4	5	6	7	8	9
Year	Projected Utility Cost Avoidance	California Solar Incentive	Total Program Savings	Payment to Lessor	Measurement & Verification	O&M Services	Total Program Costs	Projected Net Savings
1	\$119,164	\$57,303	\$176,467	\$114,060	\$0	\$5,221	\$119,281	\$57,186
2	\$124,496	\$57,016	\$181,513	\$118,949	\$0	\$5,378	\$124,327	\$57,186
3	\$130,068	\$56,731	\$186,799	\$124,074	\$0	\$5,539	\$129,613	\$57,186
4	\$135,888	\$56,448	\$192,336	\$129,444	\$0	\$5,705	\$135,150	\$57,186
5	\$141,969	\$56,165	\$198,134	\$135,072	\$0	\$5,876	\$140,948	\$57,186
6	\$148,322	\$0	\$148,322	\$85,084	\$0	\$6,053	\$91,136	\$57,186
7	\$154,960	\$0	\$154,960	\$91,539	\$0	\$6,234	\$97,774	\$57,186
8	\$161,894	\$0	\$161,894	\$98,287	\$0	\$6,421	\$104,708	\$57,186
9	\$169,139	\$0	\$169,139	\$105,339	\$0	\$6,614	\$111,953	\$57,186
10	\$176,708	\$0	\$176,708	\$112,710	\$0	\$6,812	\$119,522	\$57,186
11	\$184,615	\$0	\$184,615	\$120,413	\$0	\$7,017	\$127,429	\$57,186
12	\$192,877	\$0	\$192,877	\$128,464	\$0	\$7,227	\$135,691	\$57,186
13	\$201,508	\$0	\$201,508	\$136,878	\$0	\$7,444	\$144,322	\$57,186
14	\$210,526	\$0	\$210,526	\$145,672	\$0	\$7,667	\$153,340	\$57,186
15	\$219,947	\$0	\$219,947	\$154,863	\$0	\$7,897	\$162,761	\$57,186
16	\$229,789	\$0	\$229,789	\$0	\$0	\$8,134	\$8,134	\$221,655
17	\$240,072	\$0	\$240,072	\$0	\$0	\$8,378	\$8,378	\$231,694
18	\$250,816	\$0	\$250,816	\$0	\$0	\$8,630	\$8,630	\$242,186
19	\$262,040	\$0	\$262,040	\$0	\$0	\$8,888	\$8,888	\$253,151
20	\$273,766	\$0	\$273,766	\$0	\$0	\$9,155	\$9,155	\$264,611
21	\$286,017	\$0	\$286,017	\$0	\$0	\$9,430	\$9,430	\$276,587
22	\$298,816	\$0	\$298,816	\$0	\$0	\$9,713	\$9,713	\$289,104
23	\$312,188	\$0	\$312,188	\$0	\$0	\$10,004	\$10,004	\$302,184
24	\$326,159	\$0	\$326,159	\$0	\$0	\$10,304	\$10,304	\$315,855
25	\$340,754	\$0	\$340,754	\$0	\$0	\$10,613	\$10,613	\$330,141
26	\$356,003	\$0	\$356,003	\$0	\$0	\$10,932	\$10,932	\$345,071
27	\$371,934	\$0	\$371,934	\$0	\$0	\$11,260	\$11,260	\$360,675
28	\$388,578	\$0	\$388,578	\$0	\$0	\$11,597	\$11,597	\$376,981
29	\$405,967	\$0	\$405,967	\$0	\$0	\$11,945	\$11,945	\$394,022
30	\$424,134	\$0	\$424,134	\$0	\$0	\$12,304	\$12,304	\$411,830
Totals	\$7,239,113	\$283,663	\$7,522,776	\$1,800,848	\$0	\$248,391	\$2,049,239	\$5,473,537

Notes By Column:

- (2) Utility Cost Avoidance is escalated by 5% to account for inflation
- (5) Payment to Lessor is based on an annual interest rate of 3.25%, 15 year term. Actual rate will be determined at closing
- (7) O&M Services do not include panel washing

Program Benefits



Program projected to contribute over \$5 million to the Water Fund

Program will attract almost \$0.3 million in incentives

Reduces the impact of future utility rate increases

Minimum City risk because of turnkey design-build program with single source responsibility

Stimulates local economy and provides local jobs