
**Ratemaking Issues Relating to Pacific Gas and
Electric Company's Pipeline Safety
Enhancement Plan:
CONFIDENTIAL Attachment 5**

**Prepared testimony of
William B. Marcus**

**JBS Energy, Inc.
311 D Street
West Sacramento
California, USA 95605
916.372.0534**

**on behalf of
The Utility Reform Network**

**California Public Utilities Commission
Rulemaking 11-02-019**

January 31, 2012

CONFIDENTIAL Attachment 5

TURN DR 13-01 Attachment 13 (unit labor and material cost information on pipeline replacement).

60Hours per Week		SERVICE BILL RATES			05:36 PM	01/28/12		
ITEM #	DESCRIPTION	RNTL	MONTHLY RENTAL RATE W/TX	HOURLY FUEL RATE	TOTAL MONTHLY COST	TOTAL HOURS USED	PARTS & TIRES RATE	RENTAL DAILY RATE
1	D-8 Dozer (Rental)	R	12,650.00	26.25	17,270.00	176.00	98.10	784.80
2	D-8 Dozer (Rental)	R	12,650.00	26.25	17,270.00	176.00	98.10	784.80
3	D-7 Dozer (Rental)	R	9,900.00	19.69	13,365.00	176.00	76.00	608.00
4	D-7 Dozer (Rental)	R	9,900.00	19.69	13,365.00	176.00	76.00	608.00
5	D-6 Dozer (Rental)	R	7,700.00	17.06	10,703.00	176.00	60.90	487.20
6	D-6 Dozer (Rental)	R	7,700.00	17.06	10,703.00	176.00	60.90	487.20
7	D-5 Dozer (Rental)	R	6,750.00	10.50	8,598.00	176.00	48.90	391.20
8	D-4 Dozer (Rental)	R	5,050.00	8.53	6,551.50	176.00	37.30	298.40
9	Cat 322L Trackhoe	R	9,200.00	13.78	11,625.50	176.00	66.10	528.80
10	J. D. 790 (Rental)	R	8,950.00	17.72	12,068.50	176.00	68.60	548.80
11	Cat 325 (Rental)	R	9,800.00	17.72	12,918.50	176.00	73.50	588.00
12	Cat 322 (Rental)	R	9,200.00	13.78	11,625.50	176.00	66.10	528.80
13	Cat 330 (Rental)	R	11,500.00	21.00	15,196.00	176.00	86.40	691.20
14	RT Fork Lift	R	1,750.00	3.94	2,443.00	176.00	13.90	111.20
15	RT 580/416 (Rental)	R	2,150.00	6.56	3,305.00	176.00	18.80	150.40
16	RT 580/416 (4X4)	R	2,550.00	6.56	3,705.00	176.00	21.10	168.80
17	RT 580/416 (4X4)(Rental)	R	2,550.00	6.56	3,705.00	176.00	21.10	168.80
18	Side Boom 583 (Rental)	R	12,500.00	13.13	14,810.00	176.00	84.20	673.60
19	Side Boom 572 (Rental)	R	11,000.00	10.50	12,848.00	176.00	73.10	584.80
20	Side Boom 572 (Rental)	R	11,000.00	10.50	12,848.00	176.00	73.10	584.80
21	Side Boom 571 (Rental)	R	10,000.00	10.50	11,848.00	176.00	67.40	539.20
22	Side Boom 571 (Rental)	R	10,000.00	10.50	11,848.00	176.00	67.40	539.20
23	Side Boom D-6 (Rental)	R	9,800.00	17.06	12,803.00	176.00	72.80	582.40
24	Side Boom D-6 (Rental)	R	9,800.00	17.06	12,803.00	176.00	72.80	582.40
25	Side Boom 561 (Rental)	R	8,900.00	6.56	10,055.00	176.00	57.20	457.60
26	Side Boom 561 (Rental)	R	8,900.00	6.56	10,055.00	176.00	57.20	457.60
27	Side Boom 561 Hyd.	R	8,900.00	6.56	10,055.00	176.00	57.20	457.60
28	Side Boom D-4 (Rental)	R	5,500.00	8.53	7,001.50	176.00	39.80	318.40
29	Side Boom D-3 (Rental)	R	4,500.00	7.22	5,770.50	176.00	32.80	262.40
30	Tack Rig (Rental)	R	8,750.00	15.75	11,522.00	176.00	65.50	524.00
31	Tack Rig (Rental)	R	8,750.00	15.75	11,522.00	176.00	65.50	524.00
32	Blade Cat 16 (Rental)	R	8,000.00	20.34	11,580.50	176.00	65.80	526.40
33	Blade Cat 16 (Rental)	R	8,000.00	20.34	11,580.50	176.00	65.80	526.40
34	Blade Cat 140 (Rental)	R	7,800.00	11.81	9,879.00	176.00	56.20	449.60
35	Blade Cat 140 (Rental)	R	7,800.00	11.81	9,879.00	176.00	56.20	449.60
36	Jetco 1030 (Rental)	R	16,500.00	22.31	20,427.00	176.00	116.10	928.80
37	850 Vermeer (Rental)	R	12,000.00	26.25	16,620.00	176.00	94.50	756.00
38	Jetco 780 (Rental)	R	14,000.00	22.31	17,927.00	176.00	101.90	815.20
39	Jetco 780 (Rental)	R	14,000.00	22.31	17,927.00	176.00	101.90	815.20
40	Jetco 7337 (Rental)	R	12,600.00	22.31	16,527.00	176.00	94.00	752.00
41	Jetco 7337 (Rental)	R	12,600.00	22.31	16,527.00	176.00	94.00	752.00
46	Ozzie Padder	R	15,200.00	26.25	19,820.00	176.00	112.70	901.60
48	Crane 18-20 Ton (Rental)	R	6,500.00	9.84	8,232.50	176.00	46.80	374.40
49	Crane 18-20 Ton (Rental)	R	6,500.00	9.84	8,232.50	176.00	46.80	374.40
50	Crane 28 Ton (Rental)	R	7,500.00	14.44	10,041.00	176.00	57.10	456.80
51	Crane 22 Ton (Rental)	R	7,000.00	13.78	9,425.50	176.00	53.60	428.80
52	15 Ton Truck (Moves)	R	3,225.00	24.28	7,498.50	176.00	42.70	341.60
53	15 Ton Truck (Mobe)	R	3,225.00	11.16	5,188.50	176.00	29.50	236.00
54	3 Ton Truck	R	2,250.00	6.56	3,405.00	176.00	19.40	155.20
55	2 Ton Truck	R	2,000.00	5.25	2,924.00	176.00	16.70	133.60
56	1.5 Ton Truck	R	1,800.00	5.25	2,724.00	176.00	15.50	124.00
57	1 Ton Winch Truck	R	2,000.00	5.91	3,039.50	176.00	17.30	138.40

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58	1 Ton Winch Truck 4 x 4	R	2,000.00	5.91	3,039.50	176.00	17.30	138.40
59	1 Ton Crew Cab	R	1,950.00	5.91	2,989.50	176.00	17.00	136.00
60	1 Ton Crew Cab 4 x 4	R	1,750.00	5.91	2,789.50	176.00	15.90	127.20
61	3/4 Ton Pickup	R	1,750.00	4.59	2,558.50	176.00	14.60	116.80
62	3/4 Ton Pickup 4 x 4	R	1,750.00	4.59	2,558.50	176.00	14.60	116.80
63	ATV	R	1,500.00	1.97	1,846.50	176.00	10.50	84.00
64	1/2 Ton Pickup 4 x 4	R	1,500.00	3.28	2,077.50	176.00	11.90	95.20
65	Skid Truck (5 Ton)	R	2,750.00	10.50	4,598.00	176.00	26.20	209.60
66	Fuel / Grease Truck	R	3,250.00	13.13	5,560.00	176.00	31.60	252.80
67	Bus, Passenger	R	1,200.00	9.84	2,932.50	176.00	16.70	133.60
68	80 Bbl Vacuum Truck	R	4,200.00	9.84	5,932.50	176.00	33.80	270.40
69	Concrete Batch Truck	R	5,800.00	13.13	8,110.00	176.00	46.10	368.80
70	Concrete Batch Loader	R	6,500.00	10.50	8,348.00	176.00	47.50	380.00
71	Rental Mechanic Truck	R	3,250.00	13.13	5,560.00	176.00	31.60	252.80
72	Lowboy Trailer	R	1,250.00	0.00	1,250.00	176.00	7.20	57.60
73	Float Trailer	R	850.00	0.00	850.00	176.00	4.90	39.20
74	Gooseneck Trailer	R	600.00	0.00	600.00	176.00	3.50	28.00
75	Parts / Tool Van	R	1,500.00	0.00	1,500.00	176.00	8.60	68.80
76	1600 CFM A.C. (Rental)	R	9,500.00	6.56	10,655.00	176.00	60.60	484.80
77	900 CFM High Pressure A.C.	R	7,500.00	6.56	8,655.00	176.00	49.20	393.60
78	1200 CFM A.C. (Rental)	R	8,500.00	9.19	10,117.00	176.00	57.50	460.00
79	900 CFM A.C. (Rental)	R	7,500.00	6.56	8,655.00	176.00	49.20	393.60
80	185 CFM A.C. (Rental)	R	1,500.00	4.59	2,308.50	176.00	13.20	105.60
81	185 CFM A.C. (Rental)	R	1,500.00	4.59	2,308.50	176.00	13.20	105.60
82	Midwest Fill/Fuel Pump	R	1,000.00	2.63	1,462.00	176.00	8.40	67.20
83	CRC 6-20" Bending Machine	R	6,500.00	7.22	7,770.50	176.00	44.20	353.60
84	Brush Burner	R	4,200.00	7.88	5,586.00	176.00	31.80	254.40
85	Track 963 Loader (Rental)	R	9,900.00	15.75	12,672.00	176.00	72.10	576.80
86	Athey Wagon	R	4,500.00	5.91	5,539.50	176.00	31.50	252.00
87	Operator Pickup	R	1,500.00	3.28	2,077.50	176.00	11.90	95.20
88	Steam Cleaner / Power Washer	R	850.00	3.28	1,427.50	176.00	8.20	65.60
89	Rolliagon	R	2,000.00	0.00	2,000.00	176.00	11.40	91.20
90	Remco 3-8" CPT Machine	R	7,500.00	5.25	8,424.00	176.00	47.90	383.20
91	Ditch Pump	R	1,200.00	2.63	1,662.00	176.00	9.50	76.00
92	Office Trailer (Rental)	R	1,500.00	0.00	1,500.00	176.00	8.60	68.80
93	Farm Tractor	R	1,500.00	6.56	2,655.00	176.00	15.10	120.80
94	Hyd. Rock Hammer	R	12,500.00	17.06	15,503.00	176.00	88.10	704.80
95	Fill Pump	R	2,200.00	0.66	2,315.50	176.00	13.20	105.60
96	Centerline Trencher (Rental)	R	38,000.00	13.13	40,310.00	176.00	229.10	1,832.80
97	Weather Cost	R	50,000.00	0.00	50,000.00	176.00	284.10	2,272.80
98	CRC 22-36" Bending Machine	R	6,500.00	7.22	7,770.72	176.00	44.20	353.60
99	D-5 Dozer (LGP) (Rental)	R	7,050.00	10.50	8,898.00	176.00	50.60	404.80
100	D-6 Dozer (LGP) (Rental)	R	8,660.00	17.06	11,663.00	176.00	66.30	530.40
101	D-7 Dozer (LGP) (Rental)	R	12,650.00	19.69	16,115.00	176.00	91.60	732.80
102	Welding Rig w/ 300 amp	R	2,200.00	4.86	3,054.70	176.00	17.40	139.20
103	36-600 Bore Rig	R	2,190.00	14.44	4,731.00	176.00	26.90	215.20

6	Days per Week
10	Hours per Day - Labor
0	Hours per Day - Eqpt.
0%	

CONSTRUCTION LABOR (UNION RATES)

WAGE RATES

01/28/12

ITEM	EMPLOYEE	SALARY	HOURLY SUBSISTENCE		P/U	ST Cost	OT Cost	COST	Av. Cost	
1	Project Manager	\$121.40	\$121.40		7	60	\$130.90	\$130.90	\$7,854.00	\$130.90
2	Project Engineer	\$121.40	\$121.40		7	60	\$130.90	\$130.90	\$7,854.00	\$130.90
3	Engineer	\$93.18	\$93.18		7	60	\$102.68	\$102.68	\$6,160.80	\$102.68
4	Drafter	\$54.88	\$54.88		7	60	\$64.38	\$64.38	\$3,862.80	\$64.38
5	Superintendent	\$121.10	\$121.10		7	60	\$130.60	\$130.60	\$7,836.00	\$130.60
6	Assistant Superintendent	\$110.30	\$0.85		7	60	\$10.35	\$10.35	\$620.91	\$10.35
7	Foreman	\$105.02	\$0.81		7	60	\$10.31	\$10.71	\$626.55	\$10.44
8	Straw Boss	\$87.56	\$87.56		7	60	\$97.06	\$140.84	\$6,699.20	\$111.65
9	Operator I	\$86.32	\$86.32		6	60	\$95.82	\$138.98	\$6,612.40	\$110.21
10	Operator 2	\$54.88	\$54.88		6	60	\$64.38	\$91.82	\$4,411.60	\$73.53
11	Craftsman	\$74.48	\$74.48		6	60	\$80.48	\$117.72	\$5,573.60	\$92.89
12	Conc. Forman	\$74.48	\$74.48		6	50	\$80.48	\$117.72	\$5,573.60	\$92.89
13	Truck Driver I	\$71.63	\$71.63		6	0	\$77.63	\$113.45	\$5,374.10	\$89.57
14	Truck Driver II	\$44.33	\$44.33		6	0	\$50.33	\$72.50	\$3,463.10	\$57.72
15	Welder	\$126.94	\$126.94		6	260	\$136.44	\$199.91	\$9,455.80	\$157.60
16	Oiler	\$56.96	\$56.96		6	260	\$66.46	\$94.94	\$4,557.20	\$75.95
17	Premium Welder	\$127.68	\$127.68		6	260	\$137.18	\$201.02	\$9,507.60	\$158.46
18	Pipe Fitter	\$111.98	\$111.98		6	60	\$121.48	\$177.47	\$8,408.60	\$140.14
19	Spacer/Stabber	\$85.40	\$85.40		6	0	\$94.90	\$137.60	\$6,548.00	\$109.13
20	Welder Helper	\$68.47	\$68.47		6	0	\$74.47	\$108.71	\$5,152.90	\$85.88
21	Bead Grinder	\$61.70	\$61.70		6	0	\$67.70	\$98.55	\$4,679.00	\$77.98
22	Skilled Laborer	\$70.93	\$70.93		6	0	\$76.93	\$112.40	\$5,325.10	\$88.75
23	Laborer	\$55.94	\$55.94		6	0	\$61.94	\$89.91	\$4,275.80	\$71.26
24	Office Manager	\$81.67	\$81.67		6	60	\$91.17	\$132.01	\$6,286.90	\$104.78
25	Purchasing Agent	\$81.67	\$81.67		6	60	\$91.17	\$132.01	\$6,286.90	\$104.78
26	Timekeeper	\$61.13	\$61.13		6	60	\$67.13	\$97.70	\$4,639.10	\$77.32
27	Warehouseman	\$70.93	\$70.93		6	0	\$76.93	\$112.40	\$5,325.10	\$88.75
28	Mechanic	\$69.38	\$69.38		6	60	\$75.38	\$110.07	\$5,216.60	\$86.94
29	Utility Welder	\$104.00	\$104.00		6	200	\$113.50	\$165.50	\$7,850.00	\$130.83
30	Parts Runner	\$70.93	\$70.93		6	60	\$76.93	\$112.40	\$5,325.10	\$88.75
31	Receptionist	\$70.93	\$70.93		6	60	\$76.93	\$112.40	\$5,325.10	\$88.75
32	Field Clerk	\$70.93	\$70.93		6	0	\$76.93	\$112.40	\$5,325.10	\$88.75
33	Night Watchman	\$58.33	\$58.33		6	60	\$64.33	\$93.50	\$4,443.10	\$74.05
34	Safety Coordinator	\$84.70	\$84.70		6	60	\$94.20	\$136.55	\$6,499.00	\$108.32
35	Safety Engineer	\$93.18	\$93.18		7	60	\$102.68	\$149.27	\$7,092.60	\$118.21
36	Land Agent	\$68.05	\$68.05		6	60	\$74.05	\$108.08	\$5,123.50	\$85.39
37	Administrative Manager	\$74.21	\$74.21		6	0	\$83.71	\$120.82	\$5,764.70	\$96.08
38	Environmental Inspector	\$94.47	\$94.47		7	40	\$94.47	\$141.71	\$6,612.90	\$110.22
39	Book Keeper / Accountant	\$64.00	\$64.00		6	60	\$73.50	\$105.50	\$5,050.00	\$84.17
40	Public Relations	\$65.00	\$65.00		6	60	\$74.50	\$107.00	\$5,120.00	\$85.33
41	QA/QC inspector	\$98.50	\$98.50		7	60	\$108.00	\$157.25	\$7,465.00	\$124.42
42	Inspector	\$101.93	\$101.93		7	60	\$111.43	\$162.40	\$7,705.10	\$128.42

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39	Jetco 780 (Rental)	R	14,000.00	22.31	17,927.00	176.00	101.90	815.20
40	Jetco 7337 (Rental)	R	12,600.00	22.31	16,527.00	176.00	94.00	752.00
41	Jetco 7337 (Rental)	R	12,600.00	22.31	16,527.00	176.00	94.00	752.00
46	Ozzie Padder	R	15,200.00	26.25	19,820.00	176.00	112.70	901.60
48	Crane 18-20 Ton (Rental)	R	6,500.00	9.84	8,232.50	176.00	46.80	374.40
49	Crane 18-20 Ton (Rental)	R	6,500.00	9.84	8,232.50	176.00	46.80	374.40
50	Crane 28 Ton (Rental)	R	7,500.00	14.44	10,041.00	176.00	57.10	456.80
51	Crane 22 Ton (Rental)	R	7,000.00	13.78	9,425.50	176.00	53.60	428.80
52	15 Ton Truck (Moves)	R	3,225.00	24.28	7,498.50	176.00	42.70	341.60
53	15 Ton Truck (Mobe)	R	3,225.00	11.16	5,188.50	176.00	29.50	236.00
54	3 Ton Truck	R	2,250.00	6.56	3,405.00	176.00	19.40	155.20
55	2 Ton Truck	R	2,000.00	5.25	2,924.00	176.00	16.70	133.60
56	1.5 Ton Truck	R	1,800.00	5.25	2,724.00	176.00	15.50	124.00
57	1 Ton Winch Truck	R	2,000.00	5.91	3,039.50	176.00	17.30	138.40

60Hours per Week		SERVICE BILL RATES				06:36 PM	01/28/12	
ITEM #	DESCRIPTION	RNTL	MONTHLY RENTAL RATE W/TX	HOURLY FUEL RATE	TOTAL MONTHLY COST	TOTAL HOURS USED	PARTS & TIRES RATE	RENTAL DAILY RATE
58	1 Ton Winch Truck 4 x 4	R	2,000.00	5.91	3,039.50	176.00	17.30	138.40
59	1 Ton Crew Cab	R	1,950.00	5.91	2,989.50	176.00	17.00	136.00
60	1 Ton Crew Cab 4 x 4	R	1,750.00	5.91	2,789.50	176.00	15.90	127.20
61	3/4 Ton Pickup	R	1,750.00	4.59	2,558.50	176.00	14.60	116.80
62	3/4 Ton Pickup 4 x 4	R	1,750.00	4.59	2,558.50	176.00	14.60	116.80
63	ATV	R	1,500.00	1.97	1,846.50	176.00	10.50	84.00
64	1/2 Ton Pickup 4 x 4	R	1,500.00	3.28	2,077.50	176.00	11.90	95.20
65	Skid Truck (5 Ton)	R	2,750.00	10.50	4,598.00	176.00	26.20	209.60
66	Fuel / Grease Truck	R	3,250.00	13.13	5,560.00	176.00	31.60	252.80
67	Bus, Passenger	R	1,200.00	9.84	2,932.50	176.00	16.70	133.60
68	80 Bbl Vacuum Truck	R	4,200.00	9.84	5,932.50	176.00	33.80	270.40
69	Concrete Batch Truck	R	5,800.00	13.13	8,110.00	176.00	46.10	368.80
70	Concrete Batch Loader	R	6,500.00	10.50	8,348.00	176.00	47.50	380.00
71	Rental Mechanic Truck	R	3,250.00	13.13	5,560.00	176.00	31.60	252.80
72	Lowboy Trailer	R	1,250.00	0.00	1,250.00	176.00	7.20	57.60
73	Float Trailer	R	850.00	0.00	850.00	176.00	4.90	39.20
74	Gooseneck Trailer	R	600.00	0.00	600.00	176.00	3.50	28.00
75	Parts / Tool Van	R	1,500.00	0.00	1,500.00	176.00	8.60	68.80
76	1600 CFM A.C. (Rental)	R	9,500.00	6.56	10,655.00	176.00	60.60	484.80
77	900 CFM High Pressure A.C.	R	7,500.00	6.56	8,655.00	176.00	49.20	393.60
78	1200 CFM A.C. (Rental)	R	8,500.00	9.19	10,117.00	176.00	57.50	460.00
79	900 CFM A.C. (Rental)	R	7,500.00	6.56	8,655.00	176.00	49.20	393.60
80	185 CFM A.C. (Rental)	R	1,500.00	4.59	2,308.50	176.00	13.20	105.60
81	185 CFM A.C. (Rental)	R	1,500.00	4.59	2,308.50	176.00	13.20	105.60
82	Midwest Fill/Fuel Pump	R	1,000.00	2.63	1,462.00	176.00	8.40	67.20
83	CRC 6-20" Bending Machine	R	6,500.00	7.22	7,770.50	176.00	44.20	353.60
84	Brush Burner	R	4,200.00	7.88	5,586.00	176.00	31.80	254.40
85	Track 963 Loader (Rental)	R	9,900.00	15.75	12,672.00	176.00	72.10	576.80
86	Athey Wagon	R	4,500.00	5.91	5,539.50	176.00	31.50	252.00
87	Operator Pickup	R	1,500.00	3.28	2,077.50	176.00	11.90	95.20
88	Steam Cleaner / Power Washer	R	850.00	3.28	1,427.50	176.00	8.20	65.60
89	Rolliagon	R	2,000.00	0.00	2,000.00	176.00	11.40	91.20
90	Remco 3-8" CPT Machine	R	7,500.00	5.25	8,424.00	176.00	47.90	383.20
91	Ditch Pump	R	1,200.00	2.63	1,662.00	176.00	9.50	76.00
92	Office Trailer (Rental)	R	1,500.00	0.00	1,500.00	176.00	8.60	68.80
93	Farm Tractor	R	1,500.00	6.56	2,655.00	176.00	15.10	120.80
94	Hyd. Rock Hammer	R	12,500.00	17.06	15,503.00	176.00	88.10	704.80
95	Fill Pump	R	2,200.00	0.66	2,315.50	176.00	13.20	105.60
96	Centerline Trencher (Rental)	R	38,000.00	13.13	40,310.00	176.00	229.10	1,832.80
97	Weather Cost	R	50,000.00	0.00	50,000.00	176.00	284.10	2,272.80
98	CRC 22-36" Bending Machine	R	6,500.00	7.22	7,770.72	176.00	44.20	353.60
99	D-5 Dozer (LGP) (Rental)	R	7,050.00	10.50	8,898.00	176.00	50.60	404.80
100	D-6 Dozer (LGP) (Rental)	R	8,660.00	17.06	11,663.00	176.00	66.30	530.40
101	D-7 Dozer (LGP) (Rental)	R	12,650.00	19.69	16,115.00	176.00	91.60	732.80
102	Welding Rig w/ 300 amp	R	2,200.00	4.86	3,054.70	176.00	17.40	139.20
103	36-600 Bore Rig	R	2,190.00	14.44	4,731.00	176.00	26.90	215.20

6	Days per Week
10	Hours per Day - Labor
0	Hours per Day - Eqpt.
0%	

CONSTRUCTION LABOR (UNION RATES)

WAGE RATES

01/28/12

ITEM	EMPLOYEE	SALARY	HOURLY SUBSISTENCE		P/U	ST Cost	OT Cost	COST	Av. Cost	
1	Project Manager	\$121.40	\$121.40		7	60	\$130.90	\$130.90	\$7,854.00	\$130.90
2	Project Engineer	\$121.40	\$121.40		7	60	\$130.90	\$130.90	\$7,854.00	\$130.90
3	Engineer	\$93.18	\$93.18		7	60	\$102.68	\$102.68	\$6,160.80	\$102.68
4	Drafter	\$54.88	\$54.88		7	60	\$64.38	\$64.38	\$3,862.80	\$64.38
5	Superintendent	\$121.10	\$121.10		7	60	\$130.60	\$130.60	\$7,836.00	\$130.60
6	Assistant Superintendent	\$110.30	\$0.85		7	60	\$10.35	\$10.35	\$620.91	\$10.35
7	Foreman	\$105.02	\$0.81		7	60	\$10.31	\$10.71	\$626.55	\$10.44
8	Straw Boss	\$87.56	\$87.56		7	60	\$97.06	\$140.84	\$6,699.20	\$111.65
9	Operator I	\$86.32	\$86.32		6	60	\$95.82	\$138.98	\$6,612.40	\$110.21
10	Operator 2	\$54.88	\$54.88		6	60	\$64.38	\$91.82	\$4,411.60	\$73.53
11	Craftsman	\$74.48	\$74.48		6	60	\$80.48	\$117.72	\$5,573.60	\$92.89
12	Conc. Forman	\$74.48	\$74.48		6	50	\$80.48	\$117.72	\$5,573.60	\$92.89
13	Truck Driver I	\$71.63	\$71.63		6	0	\$77.63	\$113.45	\$5,374.10	\$89.57
14	Truck Driver II	\$44.33	\$44.33		6	0	\$50.33	\$72.50	\$3,463.10	\$57.72
15	Welder	\$126.94	\$126.94		6	260	\$136.44	\$199.91	\$9,455.80	\$157.60
16	Oiler	\$56.96	\$56.96		6	260	\$66.46	\$94.94	\$4,557.20	\$75.95
17	Premium Welder	\$127.68	\$127.68		6	260	\$137.18	\$201.02	\$9,507.60	\$158.46
18	Pipe Fitter	\$111.98	\$111.98		6	60	\$121.48	\$177.47	\$8,408.60	\$140.14
19	Spacer/Stabber	\$85.40	\$85.40		6	0	\$94.90	\$137.60	\$6,548.00	\$109.13
20	Welder Helper	\$68.47	\$68.47		6	0	\$74.47	\$108.71	\$5,152.90	\$85.88
21	Bead Grinder	\$61.70	\$61.70		6	0	\$67.70	\$98.55	\$4,679.00	\$77.98
22	Skilled Laborer	\$70.93	\$70.93		6	0	\$76.93	\$112.40	\$5,325.10	\$88.75
23	Laborer	\$55.94	\$55.94		6	0	\$61.94	\$89.91	\$4,275.80	\$71.26
24	Office Manager	\$81.67	\$81.67		6	60	\$91.17	\$132.01	\$6,286.90	\$104.78
25	Purchasing Agent	\$81.67	\$81.67		6	60	\$91.17	\$132.01	\$6,286.90	\$104.78
26	Timekeeper	\$61.13	\$61.13		6	60	\$67.13	\$97.70	\$4,639.10	\$77.32
27	Warehouseman	\$70.93	\$70.93		6	0	\$76.93	\$112.40	\$5,325.10	\$88.75
28	Mechanic	\$69.38	\$69.38		6	60	\$75.38	\$110.07	\$5,216.60	\$86.94
29	Utility Welder	\$104.00	\$104.00		6	200	\$113.50	\$165.50	\$7,850.00	\$130.83
30	Parts Runner	\$70.93	\$70.93		6	60	\$76.93	\$112.40	\$5,325.10	\$88.75
31	Receptionist	\$70.93	\$70.93		6	60	\$76.93	\$112.40	\$5,325.10	\$88.75
32	Field Clerk	\$70.93	\$70.93		6	0	\$76.93	\$112.40	\$5,325.10	\$88.75
33	Night Watchman	\$58.33	\$58.33		6	60	\$64.33	\$93.50	\$4,443.10	\$74.05
34	Safety Coordinator	\$84.70	\$84.70		6	60	\$94.20	\$136.55	\$6,499.00	\$108.32
35	Safety Engineer	\$93.18	\$93.18		7	60	\$102.68	\$149.27	\$7,092.60	\$118.21
36	Land Agent	\$68.05	\$68.05		6	60	\$74.05	\$108.08	\$5,123.50	\$85.39
37	Administrative Manager	\$74.21	\$74.21		6	0	\$83.71	\$120.82	\$5,764.70	\$96.08
38	Environmental Inspector	\$94.47	\$94.47		7	40	\$94.47	\$141.71	\$6,612.90	\$110.22
39	Book Keeper / Accountant	\$64.00	\$64.00		6	60	\$73.50	\$105.50	\$5,050.00	\$84.17
40	Public Relations	\$65.00	\$65.00		6	60	\$74.50	\$107.00	\$5,120.00	\$85.33
41	QA/QC inspector	\$98.50	\$98.50		7	60	\$108.00	\$157.25	\$7,465.00	\$124.42
42	Inspector	\$101.93	\$101.93		7	60	\$111.43	\$162.40	\$7,705.10	\$128.42