

TO: BOARD OF DIRECTORS
FROM: MICHAEL S. LEBRUN *MSL*
GENERAL MANAGER
DATE: SEPTEMBER 23, 2011



CONSENT AGENDA

The following items are considered routine and non-controversial by staff and may be approved by one motion if no member of the Board wishes an item be removed. If discussion is desired, the item will be removed from the Consent Agenda and will be considered separately.

**Questions or clarification may be made by the Board members
without removal from the Consent Agenda.**

- D-1) WARRANTS [RECOMMEND APPROVAL]
- D-2) BOARD MEETING MINUTES:
APPROVE SEPTEMBER 14, 2011 REGULAR BOARD MEETING MINUTES
[RECOMMEND APPROVAL]
- D-3) APPROVE PURCHASE OF PORTABLE GENERATOR FOR TEFFT STREET LIFT
STATION [RECOMMEND APPROVE PURCHASE]

TO: BOARD OF DIRECTORS
 FROM: MICHAEL S. LEBRUN *msl*
 GENERAL MANAGER
 DATE: SEPTEMBER 23, 2011

**AGENDA ITEM
 D-1
 SEPTEMBER 28, 2011**

**TOTAL COMPUTER CHECKS
 \$106,540.32**

HAND WRITTEN CHECKS

09-14-11	20327	CHP	ACCIDENT REPORT	\$10.00
09-14-11	20328	E.H. WACHS	REPLACEMENT CHECK (LOST)	\$536.27
09-16-11	20329	MICHAEL WINN	AD HOC COMMITTEE	\$75.00
09-16-11	20330	ED EBY	AD HOC COMMITTEE	\$75.00
09-20-11	20331	ED EBY	AD HOC COMMITTEE	\$75.00
09-20-11	20332	MICHAEL WINN	AD HOC COMMITTEE	\$75.00
09-28-11	20333	PETER SHKABARA	WASHER REBATE	\$75.00
09-28-11	20334	MARIA CHAVEZ	WASHER REBATE	\$75.00

VOIDS - 19867

COMPUTER GENERATED CHECKS

19898	09/16/11	EMP01	EMPLOYMENT DEVELOP DEPT	1330.51	.00	1330.51	B10912	STATE INCOME TAX
19899	09/16/11	MID01	RABOBANK-PAYROLL TAX DEPO	3768.77	.00	3768.77	B10912	FEDERAL INCOME TAX
				944.40	.00	944.40	1B10912	MEDICARE (FICA)
			Check Total.....:	4713.17	.00	4713.17		
19900	09/16/11	MID02	RABOBANK-DIRECT DEPOSIT	25920.07	.00	25920.07	B10912	NET PAY
19901	09/16/11	PER01	PERS RETIREMENT	8870.35	.00	8870.35	B10912	PERS PAYROLL REMITTANCE
19902	09/16/11	STA01	ING-PERS 457 DEFERRED COM	855.00	.00	855.00	B10912	457 DEFERRED COMP
019903	09/28/11	AME03	AMERI PRIDE	122.82	.00	122.82	458123	UNIFORMS
				106.20	.00	106.20	463285	UNIFORMS
			Check Total.....:	229.02	.00	229.02		
019904	09/28/11	AME08	AMERICAN SOCIETY OF CIVIL	255.00	.00	255.00	B10921	SEVCIK-MEMBERSHIP RENEWAL
019905	09/28/11	ATT02	AT&T	184.82	.00	184.82	2641572	TELEPHONE
019906	09/28/11	BRE02	BRENNTAG PACIFIC INC.	790.20	.00	790.20	BPI131830	SODIUM HYPOCHLORITE
				266.96	.00	266.96	BPI131831	SODIUM HYPOCHLORITE
			Check Total.....:	1057.16	.00	1057.16		
019907	09/28/11	CAN02	CANNON ASSOCIATES	16522.28	.00	16522.28	51428	WILLOW RD PHASE II
				115.70	.00	115.70	51452	IPAAC ISSUES
			Check Total.....:	16637.98	.00	16637.98		
019908	09/28/11	CEN08	CENTER FOR HEARING HEALTH	485.00	.00	485.00	9311	ANNUAL HEARING TEST
019909	09/28/11	CLE06	CNSLO INC	2041.00	.00	2041.00	13443	MONTHLY COMPUTER SUPPORT-
019910	09/28/11	COR01	CORBIN WILLITS SYSTEMS	750.83	.00	750.83	B109151	COMPUTER SUPPORT
019911	09/28/11	DEP03	DEPT OF HEALTH SERVICES	100.00	.00	100.00	B10916	GERMAN-D3 EXAM
019912	09/28/11	DKF01	DKF SOLUTIONS GROUP, LLC	350.00	.00	350.00	1395	MONTHLY SAFTEY SUBSCRIPTI
019913	09/28/11	EBY01	EBY, ED	100.00	.00	100.00	092811	REGULAR BOARD MEETING 9-2
019914	09/28/11	FGL01	FGL ENVIRONMENTAL	357.00	.00	357.00	182045A	LAB TEST-WELLS
019915	09/28/11	GAD01	GADDIS, DAN A.	100.00	.00	100.00	092811	REGULAR BOARD MEETING 9-2
019916	09/28/11	HAR02	HARRISON, JAMES	100.00	.00	100.00	092811	REGULAR BOARD MEETING 9-2
019917	09/28/11	LEB02	LeBRUN, MICHAEL	65.00	.00	65.00	SEPT 2011	CELL PHONE REIMB-AUG
019918	09/28/11	LIN02	LINC DELIVERY	300.00	.00	300.00	3064	DELIVERY
019919	09/28/11	MOR02	MORE OFFICE SOLUTIONS	557.86	.00	557.86	133116	COPIER MAINTENANCE
				114.26	.00	114.26	136508	B/W & COLORED COPIES-SHOP
			Check Total.....:	672.12	.00	672.12		
019920	09/28/11	MUL01	MULLANEY FORD	41.65	.00	41.65	54063	REPAIR/MAINT-07' FORD TRU
019921	09/28/11	NAT02	NATIONAL METER & AUTOMATI	12019.36	.00	12019.36	S1034496	WATER METERS
019922	09/28/11	NEX01	NEXTEL COMMUNICATIONS	693.80	.00	693.80	SEPT 2011	CELLULAR SERVICE

TO: BOARD OF DIRECTORS
 FROM: MICHAEL S. LEBRUN
 GENERAL MANAGER
 DATE: SEPTEMBER 22, 2011

AGENDA ITEM
D-1
SEPTEMBER 28, 2011
PAGE TWO

019923	09/28/11	NEX03	NEXTRAQ	308.50	.00	308.50	OCT 2011	GPS SERVICE
019924	09/28/11	NIP08	NIPOMO CSD	484.04	.00	484.04	AUG 2011	LANDSCAPE MAINT DIST WATE
019925	09/28/11	OFF01	OFFICE DEPOT	159.32	.00	159.32	57869242	OFFICE SUPPLIES
019926	09/28/11	RBA01	R BAKER, INC	1457.19	.00	1457.19	1107-5358	REPAIR WATER LEAK-W CHEST
				10096.92	.00	10096.92	1108-5405	REPAIR/MAINT-POMEROY AT W
			Check Total.....:	11554.11	.00	11554.11		
019927	09/28/11	SAN09	SAN LUIS MAILING SERVICE	189.66	.00	189.66	223075	MAIL BILLS
				1062.32	.00	1062.32	223075A	POSTAGE-BILLS
			Check Total.....:	1251.98	.00	1251.98		
019928	09/28/11	SLO02	DIV OF ENVIRON HEALTH	432.82	.00	432.82	75338	CROSS CONNECTION
019929	09/28/11	SPE01	SPECIAL DISTRICT RISK	4941.00	.00	4941.00	37269	WORKERS COMP OCT/DEC
019930	09/28/11	TAF01	TAFT ELECTRIC	475.00	.00	475.00	30751L	REWIRE FLUSH VALVE-EUREKA
019931	09/28/11	VIE01	VIERHEILIG, LARRY	100.00	.00	100.00	092811	REGULAR BOARD MEETING 9-2
019932	09/28/11	WAL01	WALLACE GROUP	4328.00	.00	4328.00	32205	INTERTIE ASSESSMENT DATA
				3084.21	.00	3084.21	32220	FOG OUTREACH & INSPECTION
			Check Total.....:	7412.21	.00	7412.21		
019933	09/28/11	WIN01	WINN, MICHAEL	100.00	.00	100.00	092811	REGULAR BOARD MEETING 9-2
019934	09/28/11	WSC01	WSC	1102.50	.00	1102.50	339	CUWCC SUPPORT SERVICES

NIPOMO COMMUNITY SERVICES DISTRICT

Serving the Community Since 1965

REGULAR MEETING MINUTES

SEPTEMBER 14, 2011, AT 9:00 A.M.

BOARD ROOM 148 SOUTH WILSON STREET, NIPOMO, CA

D2

BOARD of DIRECTORS

JAMES HARRISON, PRESIDENT
LARRY VIERHEILIG, VICE PRESIDENT
MICHAEL WINN, DIRECTOR
ED EBY, DIRECTOR
DAN A. GADDIS, DIRECTOR

PRINCIPAL STAFF

MICHAEL S. LEBRUN, GENERAL MANAGER
LISA BOGNUDA, ASSISTANT GENERAL MANAGER
MERRIE WALLRAVIN, SECRETARY/CLERK
JON SEITZ, GENERAL COUNSEL
PETER SEVCIK, DISTRICT ENGINEER

Mission Statement: The Nipomo Community Services District's mission is to provide its customers with reliable, quality, and cost-effective services now and in the future.

00:00:00

A. CALL TO ORDER AND FLAG SALUTE

President Harrison called the Regular Meeting of September 14, 2011, to order at 9:00 a.m. and led the flag salute.

00:00:44

B. ROLL CALL AND PUBLIC COMMENT FOR ITEMS NOT ON AGENDA

At Roll Call, Directors Harrison, Vierheilig, Winn, and Eby were present. Director Gaddis was not present, due to a scheduled absence.

There was no public comment.

00:01:15

C. PRESENTATIONS AND PUBLIC COMMENT

C-1) RECOGNITION OF DISTRICT BILLING CLERK'S TWENTY YEARS OF SERVICE TO DISTRICT

President Harrison read the Resolution of Appreciation for Kathy Beltran's twenty years of service to the District. The Board thanked her for her years of dedicated service.

C-2) MIKE NUNLEY OF AECOM

Update Report re: Southland Wastewater Treatment Plant Upgrade

Eileen Shields, AECOM, reviewed the report as presented in the Board packet. Ms. Shields answered questions from the Board. The Board thanked Ms. Shields for her report.

General Manager, Michael LeBrun, stated that NCS D will sell bonds to pay for the sewer upgrade. The debt service will be paid through rates and charges already in place. There will not be a tax assessment to pay for the upgrade.

C-3) NCS D DISTRICT ENGINEER PETER SEVCIK

Update Report re: Recent Activities

Peter Sevcik, District Engineer, reviewed the report as presented in the Board packet. Mr. Sevcik answered questions from the Board. The Board thanked Mr. Sevcik for his report.

C-4) DIRECTORS' ANNOUNCEMENTS OF DISTRICT & COMMUNITY INTEREST AND REPORTS ON ATTENDANCE AT PUBLIC MEETINGS, TRAINING PROGRAMS, CONFERENCES, AND SEMINARS.

Receive Announcements and Reports from Directors

Copy of document found at www.NoNewVipTax.com

SUBJECT TO BOARD APPROVAL

Nipomo Community Services District
REGULAR MEETING
MINUTES

Director Winn

- ◇ September 7 – WRAC met. Subcommittees were formed to review the Ag Discharge Regulations and the Water Master Plan Update. Christine Mulholland was nominated as a county-wide Environmental Alternate.
- ◇ September 8 – Planning Commission met. The Shandon Community Plan was discussed, eliminating “paper water” as a supply option. A proposed Industrial Park Complex on Sheridan Road was reviewed. Their wastewater will require pretreatment, if necessary, and Woodland Park Mutual is required to install a second well or the Industrial Park will have to install its own well. Either way, the applicant will voluntarily pay supplemental water in-lieu fees to NCSD.
- ◇ November 14 and 15 – Exposition on Sustainable Ag sponsored by the Paso Robles Wine Country Alliance will be held in Paso Robles.

Director Eby

- ◇ September 1 and 2 – Director Eby attended the CAL LAFCO Conference in Napa. Many areas in northern California are experiencing water issues.
- ◇ September 15 - LAFCO will be reviewing the SOI for Atascadero, City of Pismo Beach and City of Paso Robles.
- ◇ September 13 – NMMA TG met.
- ◇ September 15 – NMMA TG will present the 2010 Annual Report at 7:00 p.m. at Nipomo High School.
- ◇ September 21 – Director Eby will make a presentation to the Rotary at 7:00 a.m. at Blacklake. The GM will attend.

Director Vierheilig

- ◇ Nipomo Native Garden Fall Plant Sale will be held on October 2 at the Native Gardens parking lot from 9:00 a.m. to 3:00 p.m.

Director Harrison

- ◇ The Dana Master Plan, planning group met September 13 to review the status of the plan.
- ◇ September 14 – Chamber Mixer
- ◇ October 8 – October Fest 9:00 am-3:00pm at Nipomo Community Park.
- ◇ October 30 – Rotary will hold a benefit dinner for the Nipomo High School Drama Club.

C-6) RECEIVE PUBLIC COMMENT ON PRESENTATIONS AND REPORTS PRESENTED UNDER ITEM C AND BY MOTION RECEIVE and FILE PRESENTATIONS AND REPORTS

The following member of the public spoke:

Frank Freitas, NCSD Customer, stated that he doesn't want our community to be like Los Osos. He suggested that we get together with the opposition and agree on the facts, even if we have differing opinions. If you agree on the facts, you can then debate what is the best solution.

Nipomo Community Services District
REGULAR MEETING
MINUTES

00:53:09

D. CONSENT AGENDA

D-1) WARRANTS

D-2) BOARD MEETING MINUTES:
AUGUST 10, 2011 REGULAR AND SPECIAL MEETING
AUGUST 23, 2011 SPECIAL MEETING

D-3) ADOPT RESOLUTION RECOGNIZING DISTRICT BILLING CLERK SERVICE

D-4) TRACT 2516 – MAD’S CIRCLE ADOPT RESOLUTION ACCEPTING WATER AND SEWER IMPROVEMENTS

Director Winn requested item D-3 to be pulled for further discussion.

There was no public comment.

Upon the motion of Director Vierheilg and seconded by Director Eby, the Board unanimously approved items D-1, D-2, and D-4.

Vote 4-0.

YES VOTES	NO VOTES	ABSENT
Directors Vierheilg, Eby, Winn, and Harrison	None	Gaddis

RESOLUTION NO. 2011-1233

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE
NIPOMO COMMUNITY SERVICES
ACCEPTING WATER AND SEWER IMPROVEMENTS FOR TRACT 2516

Item D-3

Director Winn stated that in the Resolution of Appreciation, it is the person getting recognized and not the position; therefore, the person’s name should be in the Staff Report. The Minutes should reflect that the Staff person being recognized is Kathy Beltran.

There was no public comment.

Upon the motion of Director Eby and seconded by Director Winn, the Board unanimously approved item D-3.

Vote 4-0.

YES VOTES	NO VOTES	ABSENT
Directors Eby, Winn, Vierheilg, and Harrison	None	Gaddis

RESOLUTION NO. 2011-1232

A RESOLUTION OF APPRECIATION TO
KATHY BELTRAN FOR SERVICE TO THE
NIPOMO COMMUNITY SERVICES DISTRICT

E. ADMINISTRATIVE ITEMS

00:58:32

President Harrison requested Item E-4 be taken out of order.

E-4) CONSIDER REQUEST BY DEVELOPER OF TRACT 2634 TO APPLY DISTRICT'S FEE PHASING ORDINANCE

Peter Sevcik, District Engineer, reviewed the report as presented in the Board Packet. Tract 2634 (two-lot subdivision and no off-site improvements) does not meet the requirements of the District's fee phasing ordinance. District Legal Counsel stated an ordinance amendment would be required to provide relief to applicant and could take up to three months.

Sean Schuur, developer, stated that original subdivision was a six-lot subdivision but only four lots were created. The County is requiring him to process the two addition lots under the subdivision map requirements. Mr. Schuur stated the District should re-look at the ordinance and he understands the bonding and other requirements of phasing. Mr. Schuur stated that real estate projects create jobs and that partial payments of fees equates to revenues.

There was no public comment.

Upon motion of Director Winn and seconded by Director Eby, the Board of Directors thanked the applicant and encouraged him to work with District Staff to complete his project. Vote 3-1.

YES VOTES	NO VOTES	ABSENT
Directors Winn, Eby, and Vierheilig	Harrison	Gaddis

01:23:13

The Board took a break from 10:22 to 10:34 a.m.

00:33:41

E-1) CONSIDER DISTRICT RESPONSE TO 2010-2011 GRAND JURY REPORT

Michael LeBrun, General Manager, reviewed the report as presented in the Board packet. Corrections were suggested to the Grand Jury Response Letter.

The following member of the public spoke:

Mary Scarbrough, NCSD resident, commented on conservation efforts at Vista Verde.

Upon motion of Director Eby and seconded by Director Vierheilig, the Board unanimously approved the Grand Jury Response Letter, as amended. Vote 4-0.

YES VOTES	NO VOTES	ABSENT
Directors Eby, Vierheilig, Winn, and Harrison	None	Gaddis

Nipomo Community Services District
REGULAR MEETING
MINUTES

01:48:27

E-2) SUPPLEMENTAL WATER PROJECT UPDATE

Michael LeBrun, General Manager, reviewed the report as presented in the Board packet. The NMMA TG unanimously supports the supplemental water project. The City of Arroyo Grande has written a letter in support of the project. Other letters of support are expected from City of Grover Beach, City of Pismo Beach and Oceano Community Services District.

The following member of the public spoke:

Dan Hall, NCSD resident, asked about the status of the partner purveyor water agreements. Who will pay for the water if the partner purveyors don't sign the agreement?

Mary Scarbrough, NCSD resident, thanked the Board for their efforts and encouraged the Board to keep a positive attitude with the public.

Jon Seitz, District Legal Counsel, stated all partner purveyors have signed the Stipulation and they have given no indication that they will not sign the agreement.

No action was taken.

02:16:03

E-3) REVIEW ONLINE BILL PAYMENT OPTIONS

Michael LeBrun, General Manager, reviewed the report as presented in the Board packet.

There was no public comment.

Upon the motion of Director Vierheilig and seconded by Director Eby, the Board approved the online bill pay option with Official Payments Corp. for a one-year pilot program and directed Staff to report back in six months with an update.
Vote 3-1.

YES VOTES	NO VOTES	ABSENT
Directors, Vierheilig, Eby, and Harrison	Winn	Gaddis

02:29:56

F. GENERAL MANAGER'S REPORT

Michael LeBrun, General Manager, reviewed the report as presented in the Board packet. Mr. LeBrun answered questions from the Board. There was no public comment.

No action was taken.

02:44:57

I CLOSED SESSION ANNOUNCEMENTS

1. CONFERENCE WITH DISTRICT LEGAL COUNSEL RE: PENDING LITIGATION PURSUANT TO GC §54956.9 SMVWCD VS. NCSD (SANTA CLARA COUNTY CASE NO. CV 770214, SIXTH APPELLATE COURT CASE NO. H032750 AND ALL CONSOLIDATED CASES).

Nipomo Community Services District
REGULAR MEETING
MINUTES

J. PUBLIC COMMENT ON CLOSED SESSION ITEMS

There was no public comment.

K. ADJOURN TO CLOSED SESSION

President Harrison adjourned to close session at 11:55 a.m.

2:53:39

L. OPEN SESSION
ANNOUNCEMENT OF ACTIONS, IF ANY, TAKEN IN CLOSED SESSION

The Board came back into open session at 12:59 p.m.

Jon Seitz, District Legal Counsel, announced that the Board discussed item one listed above for closed session, but took no reportable action.

There was no public comment.

G. COMMITTEE REPORT

- August 26, 2011 Outreach Ad-Hoc
- August 30, 2011 Blacklake Management Ad-Hoc

There was no public comment.

H. DIRECTOR'S REQUESTS TO STAFF AND SUPPLEMENTAL REPORTS

Director Eby

Asked Staff to find out when Prop 84 grant funds would be available.

There was no public comment.

ADJOURN

President Harrison adjourned the meeting at 1:10 p.m.

MEETING SUMMARY	HOURS
Regular Meeting	3.20
Closed Session	1.00
TOTAL HOURS	4.20

TO: MICHAEL S. LEBRUN *MEL*
GENERAL MANAGER

FROM: TINA GRIETENS
UTILITY SUPERINTENDENT

DATE: SEPTEMBER 22, 2011

AGENDA ITEM
D-3
SEPTEMBER 28, 2011

**APPROVE PURCHASE OF PORTABLE GENERATOR FOR TEFFT
STREET LIFT STATION**

ITEM

APPROVE PURCHASE OF PORTABLE GENERATOR FOR TEFFT STREET LIFT STATION
[RECOMMEND APPROVE PURCHASE]

BACKGROUND

A Statewide General Waste Discharge Requirement passed in 2004 (WDR Order 2006-0003) is known as the Sanitary Sewer Overflow Regulation. This Regulation is referenced in the District's Water and Sewer Master Plan and requires that the District develop a Sewer System Monitoring Plan. The Monitoring Plan must include the District's plans for system management, operations, maintenance, and spill response. The District Board of Directors adopted the Sewer Monitoring Plan on April 14, 2010. In order to remain in compliance with the Plan's equipment and maintenance Inventory (Section 4.6), the District must keep "permanent generators or a fleet of portable backup generators for emergency use in the ready stand-by mode at all times in case of emergency".

The District maintains thirteen sewage pumping stations and two sewage treatment facilities which all depend on electrical power. Two sites, the Southland Wastewater Treatment Facility, and the Tefft Street Lift Station, have generators on site which operate automatically in the event of a power outage. The high volume of sewage pumped through these two pump stations necessitates immediate automated emergency power transfer to reduce the likelihood of a sewage overflow.

The District is proceeding with the phased implementation of its 2007 Water and Sewer Master Plan. Every year as the budget is adopted, the Board endorses projects to upgrade the collection, treatment and disposal works. The FY 2011-2012 budget, approved by the Board of Directors, includes the funded replacement of the twenty-five year old Tefft Street Lift Station generator as a Fixed Asset Purchase for the Town Sewer System.

All of the emergency generators operated by the Nipomo Community Services District are Caterpillar, with the exception of one stationary natural gas powered generator manufactured by Onan. The District has a service contract with the Quinn Company to service all of the District owned generators. The Quinn Company has local service and parts availability with 24-hour emergency service available.

The District is a member of the National Joint Powers Alliance (NJPA) which provides the District the opportunity to purchase through nationally bid contracts. NJPA awarded Caterpillar Corporation a national contract.

Item D-3
September 28, 2011

FISCAL IMPACT

The Fiscal Year 2011-2012 Budget approved by your Board of Directors included \$100,000.00 to replace the emergency standby generator at the Tefft Street Lift Station as a Fixed Asset Purchase for the Town Sewer System. The total cost to the District for the purchase for the trailer mounted Caterpillar XQ100 Diesel generator is \$58,423.77 including (8.75%) sales tax.

The National Joint Powers Alliance meets the Purchasing Policy guidelines. The Quinn Power Systems Company has been awarded the NJPA national contract this year. By purchasing through the National Joint Powers Alliance, the District is saving \$39,322 (not including sales tax) on the purchase of the Caterpillar generator from Quinn Power Systems.

RECOMMENDATION

Staff recommends that your Honorable Board approve the purchase of the trailer mounted Caterpillar XQ100 Diesel Standby Generator from Quinn Power Systems for \$58,423.77 and authorize staff to execute a purchase agreement for the Generator.

ATTACHMENTS

Quote from Quinn Caterpillar for Model XQ100 Diesel Generator
National Joint Powers Alliance Brochure

Date: 9-7-11

Quote Number: AWA10720

Name: Tina Grietens
Company: **Nipomo Community Services District**
Address: 148 S. Wilson Street
City: Nipomo, CA 93444

Phone: 805-929-1133
Fax:

Reference: **Trailer Mounted Generator Sets**

**1 Caterpillar Model XQ100 Diesel Generator Set
Trailer Mounted
EPA APPROVED, EMISSION CERTIFIED (Tier 3)**

Rating: 100 kW standby
Voltage: Multi - Voltage Distribution Panel
Simultaneous 3-phase voltage output: 480/277volt,
208/120 volt adjustable for 3-phase 240 volt output

Includes:

Engine: Heavy duty Caterpillar industrial diesel engine
Model C4.4, In-line 4 cylinder engine, 4.4 liter
Governor: **Electronic governor**
Electrical: 12 vdc, energized to run shutdown solenoid
Lead acid battery
Battery rack and cable
Cooling: Radiator and cooling fan, 125 deg F
Anti-freeze and corrosion inhibitor
Filtration: Dry air filters w/restriction indicator
Fuel filters
Full flow oil filters
Exhaust: Residential silencer, shipped loose on open units
Installed inside enclosure on enclosed units
Alternator: Drip proof self excited, brushless, 12 lead reconnectable
Class H insulation
Automatic, fully sealed, voltage regulator
+/- 1.5% regulation
Baseframe: Fabricated steel base
Lifting holes and anchor holes
Circuit breaker stub up area
Coupling: Single bearing generator with flexible drive plate
Enclosure: Weather & sound attenuated enclosure (includes internal silencer system)
Mounts: Anti-vibration mounting pads between engine and base frame

Guards: Fan, fan drive, alternator pulley and belt guards
Radiator stone guard
Exhaust manifold heat guard

Fuel Sys: Fuel supply and return lines terminated at base frame, NPT threads

Controls: **Manual / Automatic start/stop control panel EMCP3.1**
AC voltmeter, Ammeter, Frequency , tachometer
Hour meter
Coolant temperature gauge
Oil pressure gauge
Battery voltmeter
Off/On/Auto switch
Emergency stop button
Phase selector switch
Cycle crank timer
Common fault alarm contacts

Shutdown: Fail to start
High coolant temperature
Low oil pressure
Overspeed

Wiring: AC and Dc wiring looms w/ multi pin connectors

Circuit Brkr: UL listed molded case circuit breaker mounted in NEMA 1 enclosure

Manuals: (1) set Operation and Maintenance, wiring diagrams, trouble shooting leaflets

Tests: Factory load test, control and device checks

Finish: Sheetmetal is degreased, phosphated and chromated with a polyester powder finish. Engine and alternator are cleaned and finished with a baked industrial high gloss polyurethane paint

Additional Optional Generator Set Equipment Included In Quotation:

Trailer

Trailer (HYD Brakes) (Eye Hitch)

Fuel System

UL Listed closed top - diked skid - mounted fuel tank base (24 hours capacity)

with fuel alarm (low level / leak detected) (double wall tank)

Generator

Permanent magnet generator

Anti - condensation heater

Cooling System

Coolant heater

Battery Charger

Battery charger, 5 amp.

Quinn Engine Systems Services Included:

Prep and assembly

Freight allowed to jobsite

Startup inspection service

Items not included:

- Installation
- Exhaust treatment (If required)
- Fuel venting (If required)
- Additional Fuel containment) (If required)
- Standard crane service (Unloading)
- Building or air quality permits

Total (w/o tax)	Caterpillar List Price	\$87,384.00
.....	<u>Non Caterpillar Items Price</u>	\$5,662.65
.....	Total Without Tax	\$93,046.65

.....N.J.P.A. Price Without Tax **\$53,723.85**

Lead Time: 48 to 55 Weeks

Plus Tax

PLEASE CALL FOR CURRENT LEAD TIMES AND STOCKING GENERATORS.

Warranty: 24 months standard

Optional:

Generator Set Extended Warranty:
Please call for rates.

IF YOU HAVE ANY QUESTIONS PLEASE DO NOT HESITATE TO CALL

**SINCERELY
ALLEN ABRAMOVITCH
SALES REPRESENTATIVE**



Quinn Power Systems
Allen Abramovitch
Sales Representative
Cell: 805-431-3180
Fax: 805-983-1643
Office: 805-485-2171 Ext. 8706
801 Del Norte Blvd. Oxnard, CA 93030
aabramovitch@quinnpower.com

TERMS

Quinn Engine Systems is an equipment supplier only.

The above prices do not include piping, wiring, installation, test fuel, insulation, unloading, relay and/or circuit breaker testing, relay and/or circuit breaker calibration, coordination studies or applicable sales taxes or other items not specifically mentioned above.

A sale would be for materials only with proof of performance on our part as specified at time of purchase and does not infer a subcontractual agreement for this specific sale.

Quinn Engine Systems limits the scope of supply for the quotation to the equipment and services listed in our bill of materials.

Unless specifically listed in our bill of materials, equipment not indicated is assumed to be supplied by others.

We have detailed the equipment proposed in the bill of material.

Please check it to be certain that it meets your requirements.

Contracts which include penalty or liquidated damage clauses for failure to meet promised shipping dates are not acceptable or binding on Quinn Engine Systems, unless accepted and confirmed in writing by an officer of Quinn Company.

There will be 25% cancellation fee for any orders canceled once placed and accepted by Quinn Engine Systems.

It is the responsibility of the customer and/or user to file for and secure all permits and licenses pertaining to Air Pollution Control District or its likes for the installation and operation for this equipment in its proposed location.

Warranty is for full parts and labor to replace or repair defective materials or correct workmanship problems.

Warranty does not provide for travel or mileage expenses to and from the unit's location in excess of 50 miles nor for the differential of regular and premium off hour rates.

This quotation is based on current manufacturer's prices.

Prices remain firm for a period of thirty (30) days from the date of this quotation.

All invoices will be dated the date of shipment unless purchaser requests shipment to be delayed in which case the invoice will be dated the date that the product(s) were originally ready for shipment.

Terms of payment are net cash on receipt of invoice.

Other terms are available subject to proper credit application and credit approval

All applicable taxes apply.

An exemption certificate must be furnished at the time of the sale if this material is exempt from sales or use tax.

Sales are subject to receipt of proper credit application and credit approval.



Picture shown with optional trailer

STANDBY **100 kW**
PRIME **90 kW**
 60 Hz

Voltage	Standby kW (kVA)	Prime kW (kVA)
208/120V	100 (125)	90 (112.5)
480/277V	100 (125)	90 (112.5)
240/139V	100 (125)	90 (112.5)

FEATURES

EPA TIER 3 AND CARB CERTIFIED FOR NON-ROAD MOBILE APPLICATIONS

SOUND ATTENUATED ENCLOSURE

- The fully weatherproof enclosure incorporates an internally mounted exhaust silencer and is of extremely rugged construction in order to withstand the rough handling common on many construction sites.
- Highly corrosion resistant construction.
 - Body made from sheet steel components pretreated with zinc phosphate prior to polyester powder coating at 200° C (392° F)
 - Black stainless steel padlockable latches.
 - Zinc die cast hinges/grab handles.
- Excellent access for maintenance.
 - Two large doors on each side. Rear door for distribution/control panel.
 - Front panel for air discharge box access.
 - Lube oil and cooling water drains piped to exterior of the enclosure.
- Security and safety.
 - Safety glass control panel viewing window in a lockable access door.
 - Cooling fan and battery charging alternator fully guarded.
 - Fuel fill and battery can only be reached through lockable access doors.
- Transportability.
 - Tested and certified single point lifting eye.
 - Lifting points on baseframe.

ROBUST DESIGN FOR RENTAL ENVIRONMENT

- Packages designed to survive in a rugged environment.

MULTI-VOLTAGE DISTRIBUTION PANEL

- Simultaneous 3-phase voltage output: 480/277 volt, 208/120 volt and adjustable for 3-phase 240 volt output.*

REAR CUSTOMER ACCESS

- Separate control panel and distribution panel access doors.
- Hinged door over main bus connectors.
- Emergency stop on panel.
- Remote start/stop contacts.

ENVIRONMENTALLY FRIENDLY DESIGN

- EPA Tier 3 off-highway compliant engine.
- UL double walled fuel tank base with 24 hour minimum fuel supply.
- Sound attenuated enclosure for low noise.

ELECTRONIC GOVERNING

- Isochronous.
- Fully adjustable.

OPTIONS

- AH1L – Anti-condensation heater 110-120 volt AC.
- WHL – Coolant heater 110-120 volt AC.
- PBC3UL – UL Listed battery charger.
- Tandem Axle Trailers with hydraulic or electric brakes.

* Refer to distribution panel specifications for details.

STANDARD FEATURES

1. ENGINE

Heavy duty industrial EPA Tier 3 diesel engine.

1.1 Governor

Electronic, compliant with BS5514, Class G2.

1.2 Electrical System

12 volt DC. Energized to run shutdown solenoid. Oil pressure and coolant temperature/level shutdown switches and gauge senders.

1.3 Derates

Genset power derates will be required in accordance with engine manufacturers above 39° C (102° F).

2. COOLING RADIATOR

Radiator and cooling fan complete with protection guards, designed to cool the engine in ambient temperatures up to 43° C (110° F) without derate.

3. ENGINE FILTRATION SYSTEM

Cartridge type dry air filters with restriction indicator. Dry, 2 stage cyclonic paper element. Cartridge type fuel filters and full flow lube oil filters. All filters have replaceable elements.

4. EXHAUST SYSTEM

Critical silencer with flexible connector. All internal pipework lagged.

5. ELECTRICAL SYSTEM

12 volt system with 65A battery charging alternator and starter motor on engine, battery rack mounted on the generator set baseframe. Includes a 12V (880 CCA) Cat brand maintenance free battery. Optional battery charger mounted on control panel.

6. GENERATOR

Screen protected and drip-proof, self exciting, self-regulating brushless generator with fully interconnected damper windings, IC06 cooling system and sealed-for-life bearings. Simultaneous multi-voltage output.

6.1 Insulation System

The insulation system is Class H. Windings are impregnated in a triple dip thermo-setting moisture, oil and acid resisting polyester varnish. Heavy coat of anti-tracking varnish for additional protection against moisture or condensation.

6.2 Electrical Characteristics

Electrical design in accordance with BS5000 Part 99, IEC60034-1, EN61000-6, NEMA MG-1.22.

6.3 Automatic Voltage Regulator (AVR)

The fully sealed automatic voltage regulator maintains the voltage within the limits of $\pm 0.5\%$ at steady state from no load to full load.

Nominal adjustment is by means of a trimmer incorporated in the AVR. The panel door incorporates an additional voltage adjustment potentiometer.

6.3.1 Permanent Magnet Generator

Providing 350% short circuit capabilities, enhanced motor starting and non-linear loading performance.

6.4 Waveform Distortion, THF and TIF Factors

The total distortion of the voltage waveform with open circuit between phases or phase and neutral is in the order of 1.8. On a 3-phase balanced harmonic-free load the total distortion is < 4%. Machines are designed to have a THF less than 2% and a TIF less than 50. A 2/3 pitch factor is standard on all stator windings.

6.5 Radio Interference

Suppression is in line with the provisions of EN61000-6.

7. MOUNTING ARRANGEMENT

7.1 Baseframe

The complete generator set is mounted on a heavy duty fabricated steel baseframe. The baseframe includes a UL listed dual wall closed top fuel tank and incorporates specially designed lifting points.

7.2 Coupling

The engine and generator are directly coupled by means of an SAE flange so that there is no possibility of misalignment after prolonged use. The engine flywheel is flexibly coupled to the generator rotor and a full torsional analysis has been carried out to guarantee no harmful vibration will occur in the assembly.

7.3 Anti-Vibration Mounting Pads

Captive anti-vibration pads are affixed between engine/generator feet and the baseframe ensuring complete vibration isolation of the rotating assemblies.

7.4 Safety Guards

The fan, fan drive and optional battery charging alternator drive are fully guarded for personnel protection. Heat guards protect personnel from the exhaust pipe. All guards are to OSHA standards.

8. FUEL SYSTEM

Fuel feed and return lines to the engine are terminated at the baseframe mounted 24 hour extended capacity fuel tank. 3-way valves allow connection of auxiliary fuel tank.

8.1 Primary Fuel Filters

Primary fuel filters in addition to cartridge type fuel filters.

9. CONTROL SYSTEM

9.1 Control Panel

EMCP 3.1 in a vibration isolated NEMA 1 sheet steel enclosure with a hinged lockable door.

9.2 DC and AC Wiring Harnesses

DC and AC wiring harnesses utilizing industrial type multi-pin connectors to permit fast fault finding.

10. DISTRIBUTION PANEL

10.1 Dual Bus Connections

NEMA 1 enclosure with hinged lockable door and main bus connection studs enclosed with hinged transparent cover for easy access and operator safety.

10.2 Circuit Breakers, Two

3-pole UL/CSA listed molded case circuit breaker with solid neutral (4 wire) and integral trip unit.

10.3 Multiple power receptacles

Receptacles accept industry standard male plugs. Each receptacle is protected by a circuit breaker which also acts as an on/off switch.

11. DOCUMENTATION

A full set of operation and maintenance manuals, circuit wiring diagrams, and instruction leaflets is provided.

12. SOUND ATTENUATED ENCLOSURES

A noise reducing enclosure surrounds the entire generator set. Combined with a critical engine silencer this provides an overall noise reduction from 65 to 68 dBA at 23 feet through the range.

13. FACTORY TESTS

The generator set is load tested before dispatch. All protective devices, control functions and site load conditions are simulated; the generator and its systems checked, proved and then passed for dispatch.

14. EQUIPMENT FINISH

All sheet metal components including the enclosure and the base tank are fully degreased, phosphated and chromated for anti-corrosive protection prior to painting with polyester powder. The powder is cured at a temperature of 200° C (392° F) to ensure maximum scuff resistance and durability. All fasteners are electroplated.

15. STANDARDS

The equipment meets the following standards: BS4999, BS5000, BS5514, IEC60034, EN61000-6, NEMA MG-1.22.

16. WARRANTY

Full manufacturer's warranty.

**STANDBY
PRIME
60 Hz**

**100 kW
90 kW**



XQ100

Materials and specifications are subject to change without notice.

Generator Set Technical Data – 1800 rpm/60 Hz		Standby		Prime	
Power Rating	kW (kVA)	100 (125)		90 (112.5)	
Lubricating System					
Type: full pressure					
Oil filter: spin-on, full flow					
Oil cooler: water cooled					
Oil type required: API CF-4					
Total oil capacity	L (U.S. gal)	8.0 (2.1)		8.0 (2.1)	
Oil pan	L (U.S. gal)	7.0 (1.8)		7.0 (1.8)	
Fuel System					
Generator set fuel consumption					
100% load	L/hr (gal/hr)	29.1 (7.7)		26.9 (7.1)	
75% load	L/hr (gal/hr)	23.5 (6.2)		21.8 (5.8)	
50% load	L/hr (gal/hr)	17.6 (4.6)		16.4 (4.3)	
Fuel tank capacity	L (U.S. gal)	634 (167)		634 (167)	
Running Time @ 75%		hours		29	
		27			
Cooling System					
Radiator system capacity including engine					
	L (U.S. gal)	17.1 (4.49)		17.1 (4.49)	
Air Requirements					
Combustion air flow	m ³ /min (cfm)	8.4 (297)		8.5 (300)	
Maximum air cleaner restriction	kPa (in H ₂ O)	8.0 (32.2)		8.0 (32.2)	
Radiator cooling air (within enclosure)	m ³ /min (cfm)	230 (8,135)		230 (8,135)	
Generator cooling air	m ³ /min (cfm)	26.4 (933)		26.4 (933)	
Exhaust System					
Exhaust flow at rated kW					
	m ³ /min (cfm)	17.5 (618)		16 (572)	
Exhaust temperature at rated kW – dry exhaust					
	°C (°F)	522 (972)		524 (975)	
Generator Set Noise Rating*					
[with enclosure at 7 meters (23 feet)]					
	dBA	68.2		68.0	

*dBA levels are for guidance only

SPECIFICATIONS

GENERATOR

Voltage regulation ± 0.5% at steady state
from no load to full load

Frequency regulation ± 0.25% for constant load from
no load to 100% load

Waveform distortion THD < 4%

Radio interference Compliance with EN61000-6

Telephone interference TIF < 50, THF < 2%

Overspeed limit 2250 rpm

Insulation Class H

Temperature rise Within Class H limits

Available voltages Simultaneous 3-phase voltage output:
480/277 volt, 208/120 volt and
adjustable for 3-phase 240 volt output

Deration Consult factory for available outputs

Ratings At 30° C (86° F), 152.4 m (500 ft)
60% humidity, 0.8 pf

ENGINE

Manufacturer Caterpillar

Model C 4.4

Type 4-cycle

Aspiration Turbocharged

Cylinder configuration In-line 4

Displacement – L (cu in) 4.4 (269)

Bore – mm (in) 105 (4.13)

Stroke – mm (in) 127.0 (5.0)

Compression ratio 18.3:1

Governor

Type Fully Electronic

Class ISO 8528-5 G2

Piston speed – m/sec (ft/sec) 7.62 (25.0)

Engine speed – rpm 1800

Maximum power at rated rpm – kW (hp)

Standby 117.0 (156.0)

Prime 106.0 (142.0)

BMEP – kPa (psi)

Standby 1612 (233)

Prime 1771 (257)

Regenerative power – kW (hp) 13.8 (18.5)

STANDBY
PRIME
60 Hz

100 kW
90 kW

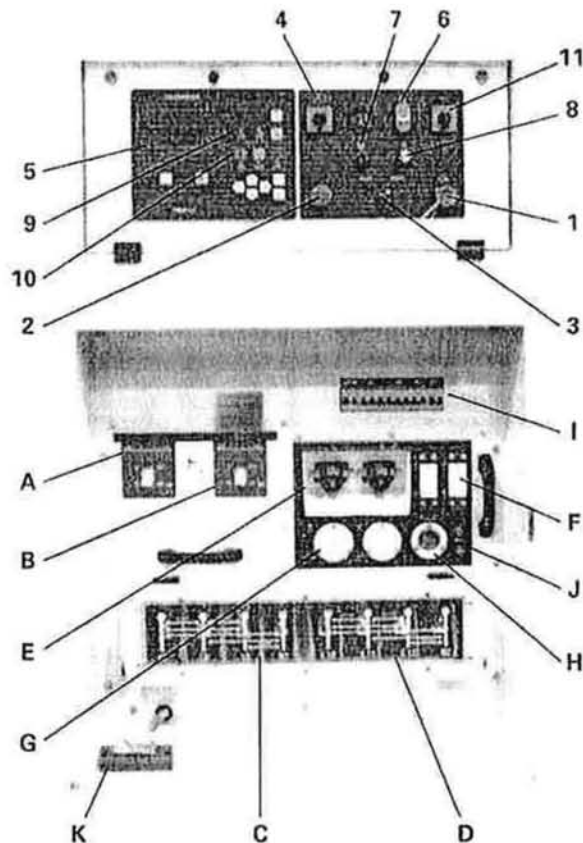
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CONTROL PANEL – EMCP3.1

- 1 Electronic Service Tool Link.
- 2 Red emergency stop push button.
- 3 AC sensing selector switch.
- 4 Panel on/off switch.
- 5 Digital display for AC/DC metering.
- 6 EMCP Disconnect Switch.
- 7 Fuel View Switch.
- 8 Voltage adjust potentiometer.
- 9 Shutdowns: high coolant temperature/low coolant level, low oil pressure, overcrank, overspeed.
- 10 Run/auto/stop pushbuttons.
- 11 Panel light on/off switch.

DISTRIBUTION PANEL

- A 400 amp main circuit breaker for 208/120 volt bus connections.
- B 250 amp main circuit breaker for 480/227 volt bus connections.
- C Separate bus connection studs for 480/277 volt and 208/120 volt, 3-phase simultaneous output.*
- D 240/139 volt, 3-phase available from 208/120 volt bus bar connections with voltage adjustment.**
- E 2 – single phase – California style Twistlocks, 50 amps @ 208 volt phase to phase, 120 volt phase to neutral or 240 volt phase to phase, 139 volt phase to neutral.
- F 2 – single phase – GFCI Duplex receptacles, 20 amps @ 120 volts.***
- G 2 – three phase – NEMA locking receptacles, 20 amps @ 208/120 volts.***
- H 1 – single phase – NEMA locking inlet receptacle for 125 volt, 30 amp rated auxiliary supply.
- I Individual circuit breaker protection for receptacles. Also act as on/off switches.
- J Two wire remote start connection terminals.
- K Neutral ground connection.



* Either set of bus bars is capable of supplying up to full rating. Total load from bus bars and receptacles cannot exceed rating of generator set. Generator is wye connected in all cases.

** High voltage bus connections not useable with low voltage adjusted to 240 volts.

*** Receptacles not for use with low voltage adjusted to 240 volts.

**STANDBY
PRIME
60 Hz**

**100 kW
90 kW**

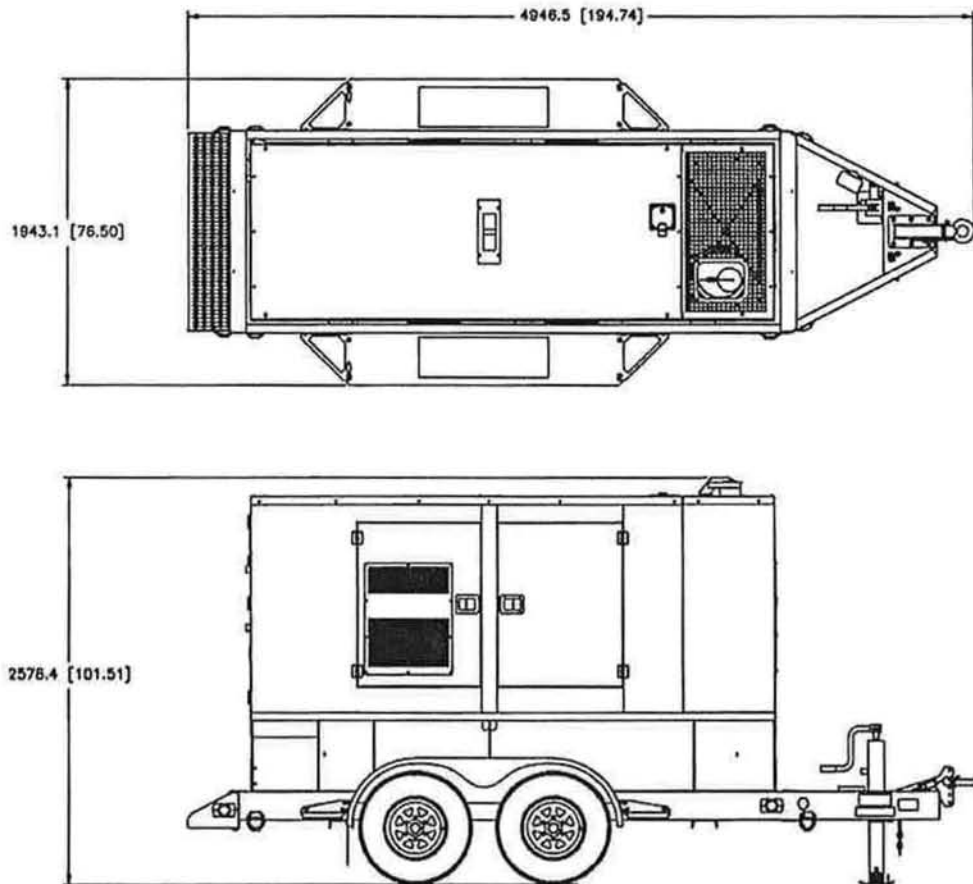
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Model	Length mm (in)	Width mm (in)	Height mm (in)	Weight	
				With Lube Oil and Coolant kg (lb)	With Fuel, Lube Oil and Coolant kg (lb)
XQ100	3280 (129.1)	1130 (44.5)	1870 (73.6)	2495 (5,501)	3032 (6,684)
XQ100 w/trailer	4946.5 (194.74)	1943.1 (76.5)	2578.4 (101.5)	3214 (7,086)	3751 (8,269)

RATING DEFINITIONS

Standby – Applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The generator on the generator set is peak prime rated (as defined in ISO8528-3) at 30° C (86° F).

Prime – Applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and the generator set can supply 10% overload power for 1 hour in 12 hours.



Market: N. America
LEHE5177-07 (10-09)

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