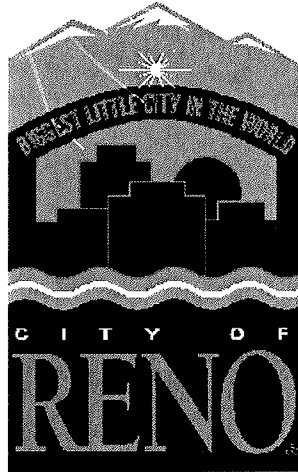


Invitation to Bid for Automated Brine Maker System



Cover Sheet for Invitation to Bid
Bid #1452 Automated Brine Maker System

If you are submitting a Bid or a Response to a
Request for Proposal, Please

1. Appropriately Label your documents in a sealed envelope or box;

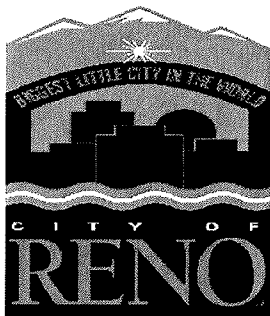
and
2. Deliver the sealed documents to the Office of the City Clerk;

and
3. Be certain that your submittal is date and time stamped by the office of the City Clerk.

Courier Delivery Address
1 East First Street, 2nd Floor Reno, NV 89505

Invitation to Bid for Automated Brine Maker System

CITY OF RENO
Purchasing Division
P.O. Box 1900
Reno, NV 89505
(775) 334-2080
(775) 334-2409 fax
kilgorek@reno.gov



Date: 4/4/2011

Bid No. 1452

THIS IS NOT AN ORDER

INVITATION AND ADVERTISED BID

Sealed Bids will be received until 3:00 pm at the Office of the City Clerk, City Hall, 1 East First St., Reno, NV 89501 on **April 18, 2011**. Said Bids shall be publicly opened and read aloud at 3:05 pm **April 18, 2011**.

Kim Marie Kilgore, Senior Management Analyst

The City of Reno is currently accepting sealed Bids for **Automated Brine Maker System**. It is the express intent of this bid solicitation to award to the lowest responsive, responsible bidder(s) to provide equipment to the City of Reno. If the bidder proposes to provide equipment other than specified so as to make it conform to performance standards, a complete and detailed manufacturer's specifications must be included as part of the bid showing each proposed modification. All deviations from the specified product must be completely described. Attach more sheets and label appropriately if needed. The City of Reno shall determine if any substitutions submitted shall be deemed equivalent to the equipment specified within "NO SUBSTITUTIONS" category. This solicitation is made in compliance with Nevada Revised Statute 332. Any appeal and or Protest shall be in conformance with 332.068 and the protest requirements stated in this bid.

Technical questions and other assistance regarding this solicitation may be directed to Darrel Ellis at EllisD@reno.gov. and copied to Kim Marie Kilgore at kilgorek@reno.gov.

Per the attached Terms, Conditions, and Requirements

Firm Name _____
Address _____
City _____
State _____ Zip Code _____
Telephone _____
Fax _____
E-mail _____

In compliance with this Invitation to Bid and subject to all Terms and Conditions thereof, the undersigned offers and agrees, if Bid is accepted, to furnish any or all of the items or services listed herein at the fees and terms stated. I also acknowledge receipt of 24 pages of this Invitation to Bid.

Signature _____

Print Name _____

Print Title _____

SUBMIT 1 ORIGINAL AND 1 COPY OF BID

Invitation to Bid for Automated Brine Maker System

QUESTIONS/CLARIFICATIONS:

Questions regarding the Invitation to Bid shall be directed to the Finance Department via e-mail at kilgorek@reno.gov in writing. Questions should be submitted no later than **3:00pm on April 6, 2011**. If any questions or responses require revision to this solicitation as originally published, such revisions will be by formal amendment only. If the solicitation includes a contact person for technical information, any oral or written representations made by this or any person shall not be relied upon unless subsequently ratified by a written amendment to this solicitation issued by the City of Reno. To determine whether any representations made require an amendment be issued, please contact Kim Marie Kilgore, Senior Management Analyst, at 775-785-5881.

ADDENDUMS:

All addendums to this Invitation to Bid shall be issued by the City of Reno in writing. Material changes affecting the material or the bidder's cost estimate shall have no standing with the City of Reno if not sanctioned by written addendum. All addendums shall be posted to the City of Reno website (www.reno.gov) no later than **April 8, 2011**.

GRANT FUNDING CONTINGENCY:

Funding for this project will be provided by the ***FY 2011 CMAQ Grant***. Award of this proposal is contingent upon the City receiving grant funding through the U.S. Environmental Protection Agency, ***Congestion Mitigation Air Quality (CMAQ) program***. The City makes no guarantees that the award of the grant will be made and reserves the right to cancel any contract arising if the grant funding is no longer available.

EXCEPTIONS OF SPECIFICATIONS OR CONTRACT TERMS:

A bidder who believes bid specifications are unnecessarily restrictive or limit competition may submit such, on the Exceptions page of this Bid documents. All Exceptions will be considered in the bid evaluation.

The City of Reno will promptly respond in writing to each written objection and where appropriate, issue all revisions, substitutions, or clarifications via addenda. Objections of technical or contractual requirements shall include the reason for the objections, supported by documented factual information, and any proposed changes to the requirements.

BID RECEIPT AND OPENING TIME:

It is mandatory the bids are **signed by a duly authorized representative of the firm**, time stamped and received at City of Reno City Clerk's Office no later than 3:00 pm, **April 18, 2011**.

Late bids shall be disqualified from consideration.

Sealed bids shall be opened at City of Reno Purchasing Division Offices at 3:05 pm, **April 18, 2011**.

PREPARATION OF BID:

Bidder shall examine all specifications, specific instructions, and terms and conditions of the Invitation to Bid. Failure to do so will be at Bidder's risk.

Invitation to Bid for Automated Brine Maker System

Any addenda issued shall forthwith become an integral part of the bid. Bidder shall be required to acknowledge receipt of the same by signing and returning the addenda with the original bid document.

Bidder shall furnish the required information typed or written in ink.

The person signing the bid must initial erasures or other changes in ink.

In the space provided, a duly authorized representative of the bidding firm shall sign the bid document.

Bidder shall proofread his bid carefully for errors.

Prices quoted shall be F.O.B. destination, within the Reno/Sparks general area and shall be inclusive of all costs and exclusive of Federal and State taxes.

In the event of a difference between a unit price and the extended price, the unit price shall govern.

Technical specifications contained herein shall be considered "optimum", unless otherwise noted. However, a bidder deviating from the specifications must specify in the exception section any and all exceptions. Failure to note exceptions shall be interpreted to convey that the bidder shall propose to perform in the manner described and/or specified in this bid solicitation. Alternate bid proposals shall be considered provided said alternate (s) are fully described and accompanied by brochures literature specifications or a combination thereof. The City's decision with respect to equivalents shall be final.

SUBMISSION OF BID:

Bidder shall sign and return the ENTIRE BID DOCUMENT.

Bids and addenda thereto shall be enclosed in a sealed envelope addressed to the City of Reno, City Clerks Office, P.O. Box 1900, Reno, NV 89505. Bids must be identified as **Automated Brine Maker System, Bid # 1452**. Bidders are cautioned that the City postal pickup is one time per day at approximately 7:15 am. Bids that are not in the Postal Box for pickup on the due date shall be considered late.

In order for a bid to be considered, it shall be mandatory that the bid document be received and time-stamped at City of Reno, City Clerks Office no later than the receiving time specified in the bid document.

The City of Reno assumes no responsibility for errant delivery of bids, including those relegated to a courier agent who fails to deliver in accordance with the time and receiving point specified.

The City of Reno shall not be responsible for the premature opening of a bid, which is not properly addressed or identified.

A bid submitted by electronic telephone, telegraphic notice, or facsimile will not be accepted.

Invitation to Bid for Automated Brine Maker System

Prices offered shall only be considered if they are provided in the appropriate space(s) on the bid schedule. For consideration, any additions or deductions to the bid prices offered must be shown under the exception section of the bid. Extraneous numbers, prices, comments etc. appearing elsewhere on their bid shall be deemed to have no effect on the prices offered in the designated locations.

The City of Reno shall provide a copy of the bid results to those bidders requesting such, provided that a stamped, self-addressed envelope is included with the bidder's response.

LATE BID:

A bid received after the receiving time specified shall be rejected and marked "LATE BID – DO NOT OPEN."

BIDDERS NOTE THAT THE RECEIVING TIME IS DIFFERENT FROM THE OPENING TIME.

WITHDRAWAL OF BID:

A bid may be withdrawn by written or telegraphic notice, provided such a notice is received prior to the date and time set for the bid opening.

A request for withdrawal of bid received after the scheduled bid opening will not be considered.

NO BID:

In the event the bidder chooses not to bid on the Invitation, but wishes to remain on the bid list, indicate "NO BID" on the face of the return envelope or Bid Schedule Page of the bid document, affix firm name and address and return it according to the instructions in the "Submission of Bid" section. Two (2) "No Responses" may result in the removal of your firm from the database for this category.

JOINDER PROVISION:

In accordance with the provisions of NRS 332.195, certain other public entities may participate in this joinder procedure for agreements unless otherwise stipulated under the exceptions section of this bid, other local governmental agencies may join in a resultant award from this Invitation to Bid with the permission of the successful bidder and the City of Reno.

Any joinder entity shall have all the rights as stipulated for the required services in accordance with the procedures of the Accounting and Purchasing Departments of the public entities involved.

Within the scope of this Invitation to Bid, The City of Reno shall be held harmless in any and all transactions between the bidder and the other participating governmental entities.

The bidder shall acknowledge the joinder process and shall acknowledge The City of Reno as the situs of the bid procedure.

QUANTITIES TO BE SERVICED:

There shall be no guarantee as to the actual amount of material that is to be delivered during the period of time that this Invitation to Bid is in effect.

Invitation to Bid for Automated Brine Maker System

SPECIFICATIONS:

Please see the Technical Specifications Sheet.

SPECIFICATION RESTRICTIONS:

The herein contained technical information shall in no manner be construed as restrictive as to the manufacturer, process or point of origin, unless otherwise noted as a required manufacturer. References not marked as "REQUIRED MANUFACTURER" but appearing restrictive shall be deemed inadvertent or employed as a descriptive device to delineate as to the quality, or configuration.

Offers made as an alternate to those specified for items not required from a specific manufacturer shall be given consideration in the bid evaluation process PROVIDED said alternatives shall be fully described using brochures, specifications, literature, or any combination thereof, accompanying and deemed an integral portion of the bidder's response.

The City of Reno shall solely determine the acceptability of all offerings.

EXCEPTIONS TO SPECIFICATIONS:

Utilizing space provided on the Bid Schedule. Bidders shall note any and all exceptions to the specifications and/or terms and conditions contained herein. Submittal of a specification sheet alone shall not be considered sufficient notification of exceptions.

Failure to note exceptions on the Bid Schedule shall be interpreted that the bidder will perform in the manner described and /or specified in this Invitation to Bid.

The City of Reno reserves the right to accept or reject any and all alternatives or exceptions offered, based solely on the value of said alternatives or exceptions to the City of Reno.

REFERENCES:

In the space provided in this bid, bidders shall provide verifiable references for **Automated Brine Maker System, Bid # 1452** as specified in this Invitation to Bid.

On the references listed please give the following information:

Name of the entity

Name, phone number and contact person within the above listed organization.

Type of product/services provided.

Failure to provide references may result in rejection of the bidder's response.

GUARANTEE/WARRANTY:

The successful bidder shall agree to replace and or redo, at no cost to the City of Reno, any products or services purchased as a result of award of this Invitation to Bid, if that product/service is deemed unacceptable for any reason resulting from deviations from the specifications contained herein, or as a result of improper procedures, and/or improper handling by the successful bidder.

Invitation to Bid for Automated Brine Maker System

In the space provided on the Bid Schedule, bidder shall provide the nature and limitations of the guarantee/warranty that shall apply to **Automated Brine Maker System, Bid # 1452**.

TAX EXEMPTION:

The City of Reno is exempt from Nevada State Sales Tax by act of the Nevada State Legislature, NRS 372.325, which exempts all local governments within the State of Nevada. The City of Reno is also exempt from Federal Excise Tax.

PRICING:

In the space provided on the Bid Schedule, bidders shall provide prices for **Automated Brine Maker System, Bid # 1452**.

Pricing shall be inclusive of ALL COSTS such as per diem, travel time, hotel costs and all other expenses relating to the products/service purchased.

Prices shall be exclusive of all federal and State of Nevada sales, use and/or excise taxes.

DISCOUNT AND PAYMENT TERMS:

Prompt payment discounts and payments and payment terms shall not be considered in recommending the bid award if less than twenty (20) days.

The City of Reno normal payment terms are "Net 30 days". If the bidder wishes to take exception with the terms as stated, an exception must be stated in the Exception Section of the Invitation to Bid.

The beginning of the discount and / or payable period will be computed from the date of satisfactory completion of services, and/or the date of receipt of a correct invoice by the City of Reno accounts payable department, whichever is later. Payment is deemed made as of the date on the City of Reno warrant.

BILLING:

The successful bidder shall invoice the City of Reno and reflect the purchase order number, be itemized and show the name of the authorized individual who placed the order. Original or copy with authorized signature is required.

All original billings should be addressed to:

City of Reno

P.O. Box 1900

Reno, NV 89505

Attention: Accounts Payable

A copy of the billing should also be sent to the ordering department.

Invitation to Bid for Automated Brine Maker System

Schedule of Events	Date
BID Released	April 4, 2011
Last Day to submit Questions	April 6, 2011
All Addendums to be posted to reno.gov by	April 8, 2011
Sealed Proposals Due to City of Reno	April 18, 2011
Proposed Award Date by City Council	May 11, 2011
Implementation	TBD

BID EVALUATION:

Bids shall be evaluated with considerations being price, responses to questions posed within the bid document related to process, references and on the basis of conformance to specifications, terms and conditions of the invitation to Bid as stated herein. Additionally, further detail relating to the selection of a vendor is in Attachment A.

CANCELLATION:

The City of Reno reserves the right to cancel a resultant Agreement upon thirty (30) days written notice.

Cancellation may occur in the event the type, quality and/or work is unsatisfactory to The City of Reno.

In the event successful bidder does not perform in an acceptable and/or satisfactory manner or is in default for whatever reason, the City of Reno reserves the right to cancel the resultant agreement and to assess cover charges for any difference between the original bid price and the cost to procure said product/service from an alternate source.

In the event that successful bidder shall default or is terminated for default, they shall not be considered a responsible bidder for **Automated Brine Maker System, Bid # 1452** and shall be recommended to the Reno City Council, for debarment from doing business with the City of Reno for at least one (1) year after the termination of the term of the defaulted agreement.

ASSIGNMENT:

No Assignment of any agreement resulting from this award of this bid shall be allowed, including the right to receive payment, without the express written permission of the City of Reno.

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Invitation to Bid for Automated Brine Maker System

References:

In the space provided below, bidders shall provide the name, address, telephone number and contact person of the customers for whom they have performed for as described in this Invitation to Bid.

Name, Address, Phone # Contact Person,

1. _____

Name, Address, Phone# Contact Person,

2. _____

Business License Number, Effective dates and Jurisdiction _____

Minority Status: Has this firm been certified as a minority, women owned or disadvantaged business enterprise by any governmental agency? ____ Yes ____ No If yes, please specify government agency:

Date of certification: _____

The above is for information only. The City of Reno encourages minority business participation; however no preferences shall be given.

Notice to disabled persons: The City of Reno will make reasonable accommodations for disabled persons who wish to submit bids or attend a bid opening by contacting the Purchasing Technician prior to the bid opening date.

Debarment and/or Suspension:

As required by Executive Order 125.49, Debarment & Suspension, and implemented at 34CFR Part 85, the bidder certifies that it and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from transactions with any Federal Department or Agency.

Printed Name & Position

Signature

Invitation to Bid for Automated Brine Maker System

GENERAL TERMS AND CONDITIONS

NOTICE OF RIGHTS

- The City of Reno reserves the right to reject any or all bids or any part thereof and to waive any minor informalities or irregularities.
- The City of Reno reserves the right to require such surety as may be deemed necessary for the protection of the City of Reno, or to ensure the satisfactory performance of a contractor in accordance with the specifications and bid documents.
- The City of Reno reserves the right to withhold award for a period of ninety (90) days from the date of bid opening.
- The City of Reno reserves the right to award in whole or in part, by item, group of items, or by section where such action would serve the City's best interest. Bids identified on the basis of "All or Nothing" will be excluded from this provision.
- The City of Reno is a tax exempt public entity and is not subject to federal excise, state, or local taxes. No additional taxes may be added or "passed through".
- The City of Reno may require a full demonstration of any item bid at vendor's expense.

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Invitation to Bid for Automated Brine Maker System

PREPARATION OF BIDS

- Bids must be submitted in accordance with any document attached hereto and made an integral part hereof.
- Bidders are expected to examine these documents carefully. Failure to do so will be at the bidder's risk.
- Bids should be proofread carefully for any errors.
- Any irregularities or lack of clarity in any of the bid documents attached hereto should be brought to the attention of the Purchasing Manager as soon as possible so that corrective addenda may be furnished to all bidders.
- Alterations/erasures must be crossed out and the corrections thereof printed in ink or typewritten adjacent thereto. Corrections must be initialed in ink by each person signing the bid.
- In the case of a difference between written words and figures, the amount stated in written words shall govern.
- In the case of a difference between a unit price and the extended price, the unit price shall govern.

All additions, deletions or exceptions are to be listed on the page marked as such. If there are none, print "NONE" and return the page with the submitted bid. Failure to return or sign the exception page will be presumed as no exceptions are being taken and all terms, conditions, and specifications are being met. **Any pricing information being offered MUST either be submitted on the bid document cost sheet or specifically detailed on the "Exception Page". Pricing information offered in other areas of the bid package WILL NOT be considered.**

For bidding assistance with this bid, contact Kim Marie Kilgore, Senior Management Analyst at (775) 785-5881.

Bidders shall note that alterations in the bid language shall be cause for bid rejection. If exceptions are taken or alternatives offered, complete descriptions must be shown separately.

All prices quoted shall be F.O.B. destination. No additional charges for freight, packaging, handling, etc., shall be allowed.

Bidders are instructed to use City bid forms and complete the requested information fully, i.e., pricing, bid schedules, specification descriptions, exceptions, disclosure of principals, etc. Failure to do so may be cause for bid rejection. If additional space is needed, attach additional sheets referencing the appropriate section.

AWARD OF CONTRACT

- a. The City of Reno will award the contract on the basis of the bid or bids most advantageous, in addition to price, the City may consider the following;
1. The ability, capacity and skill of the bidder to perform the contract or provide the service required;
 2. Whether the bidder can perform the contract or provide the service promptly, and within the time specified without delay or interference;
 3. The character, integrity, reputation judgment, experience and efficiency of the bidder;
 4. The quality of performance on previous contract;

Invitation to Bid for Automated Brine Maker System

5. The previous compliance of laws by the bidder;
 6. The financial responsibility of the bidder to perform the contract or provide the service;
 7. The limitations of any license the bidder may be required to possess;
 8. The quality, availability, and adaptability of the product or service;
 9. The ability of the bidder to provide future maintenance and service;
 10. The number and scope conditions attached to the bid;
 11. The life-cycle, maintenance and performance of the equipment or product being offered.
 12. Or any other basis as allowed by law.
- b. A purchase order, mailed or otherwise furnished by the Purchasing Division to the successful bidder, is a binding contract without further action by either party.
- c. The Purchasing Division will notify all unsuccessful bidders of the bidding results, and will return with such notice any surety held for bonding.
- d. The resultant contract may not be assigned, transferred or delegated, along with any rights, obligations or duties without prior written consent of the City of Reno.
- e. The technical specifications contained herein shall be considered "optimum" to the standard material, and is not intended to restrict bids, evaluation of bids, and recommendation for award of the material to specific manufacturer or from a specific point of origin. Alternatives and/or exceptions to the specifications shall be given consideration in the resultant bid evaluation, **PROVIDED:**
1. Each alternative and/or exception shall be entered on separate sheets stating page number, item, and/or sub-item number and a detailed description of all items offered as alternatives or exceptions. However,
 2. The City of Reno shall reserve the right and privilege to accept or reject any or all bids offered, based solely on the judgment of City of Reno staff as to the value of the offers to the City of Reno.
- g. The resultant agreement may be extended at the discretion of the City, if determined to be in the best interest of the using agency.
- h. Performance standards shall be construed that bidder shall be responsible for exercising the degree of skill and care customarily required by accepted professional practices and procedures to perform the contract subject to the City's final approval.

FUNDING-OUT CLAUSE

In the event the City of Reno fails to obligate requisite funds for the ensuing fiscal year(s) for payment of amounts due against an agreement resulting from this Invitation to Bid, necessitating cancellation of the Agreement, the successful bidder(s) shall agree to hold the City of Reno free from any charge or penalty.

Invitation to Bid for Automated Brine Maker System

DEFAULT OF CONTRACT

- a. In case of default by the contractor (successful bidder), the City may procure the product(s) or service from other sources and hold the contractor responsible for any excess cost occasioned thereby.
- b. If necessity requires the use of materials or supplies not conforming to the specifications, they may be accepted and payment therefore shall be made at a proper adjustment in price.
- c. Default by the bidder in any manner including failure or refusal to furnish any product(s) or service at the price and/or the time specified in the bid may be considered cause to commence with proceedings against any surety held with the bid, or assess a penalty equal to five (5) percent of the total bid price.

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Invitation to Bid for Automated Brine Maker System

APPEAL BY UNSUCCESSFUL BIDDER

- a. Bidder may appeal a pending bid award prior to award by the Reno City Council as established in NRS 332.068.
- b. Bidder must submit a written appeal in accordance with the requirements set forth herein to the Purchasing Program Manager within five business days from the date of the letter notifying of intent to award the bid .
- c. The appellant must post a bond with the written appeal with good and solvent surety authorized to do business in the State of Nevada in an amount equal to 25% of the value of the contract with the Purchasing Division in order to have their appeal heard by the City Council. Any and all bonds are subject to the approval of the Reno City Attorney. In the event the appeal is not upheld by the City Council, a claim may be made against the bond in an amount equal to the expenses incurred and other monetary losses suffered by the City because of the unsuccessful appeal.
- d. The route of appeal is the Assistant Finance Director, Finance Director and City Manager, or designee and must be followed sequentially.
- e. No bid protests will be heard by the Reno City Council unless the bidder has followed the appeal process route.

Claims Against Protest Bonds:

The City shall not make a claim upon any bond or other security unless and until the basis of that claim is considered and approved by the City Council. The City may:

1. Claim its regular staff time and costs in processing, considering and/or defending against an award protest.
2. Claim any necessary extraordinary staff overtime incurred in processing, considering and/or defending against an award protest.
3. Claim the City Attorney's time and costs in processing, considering and/or defending against an award protest.
4. Claim any resulting fees and costs incurred to any independent contractors, consultants or contracted attorneys utilized in processing, considering and/or defending against an award protest.
5. Claim any lost expenditure savings, lost revenue and other consequential financial damages resulting from the protest's automatic stay of the award of a contract to a selected solicitation response.
6. Claim any lost gifts, lost grants or other lost government or private financial participation resulting from any delay caused by the protest's automatic stay of the award of a contract to a selected solicitation response.

Protest Bond Risk Inquiry—Procedure:

1. As soon as possible after an award protester has posted a protest bond or other security, the soliciting City department or agency shall provide a written non-binding estimate of the basis of potential claims unique to the circumstances of the contract award(s) stayed by the protest, without disclosing any bid information that must remain confidential until an award decision is final. From this estimate, the protester shall be responsible for calculating the risk(s) of proceeding with a protest to a final decision by the City Council. A protester may withdraw a protest in writing at any time prior to a decision of the City Council, but any withdrawal more than seven (7) calendar days after the issue date of the City's estimate of the basis of potential claims shall, upon City Council's approval of the claims, be subject to claims against the bond or other security of the withdrawing protestor prior to its return to the protester.

Invitation to Bid for Automated Brine Maker System

At a minimum the estimate of the basis of potential claims shall include:

1. If relevant, the date the current contract expires.
2. If relevant, the rate per year paid (or revenue earned) on the current expiring contract.
3. If relevant, the cost per year to complete the solicitation's anticipated work with City staff, equipment and materials.
4. The date the stayed contract award would have begun in the absence of the protest and its anticipated term.
5. The estimated rate per year to be paid (or revenue earned) on the stayed contract award.
6. The rate per hour to be paid to any relevant independent contractors, consultants or contracted attorneys as a result of the protest.
7. An estimate of any anticipated staff time and costs in processing, considering and/or defending against the protest.
8. An estimate of necessary extraordinary employee overtime salary in processing, considering and/or defending against the protest.
9. The rate per hour for City Attorney services and any estimated costs in processing, considering and/or defending against the protest.
10. Disclosure of the amounts of any gifts, grants or other government or private financial participation that might be lost due to the protest.
11. Disclosure of any known seasonal, labor, equipment or materials costs that are materially time-sensitive and might result in financial damages to the City due to the protest.
12. Disclosure of any other anticipated consequential financial damages.

BONDS REQUIRED

Each bid shall be accompanied by a certified or cashier's check, or **bid bond**, in the amount of five percent (5%) of the total amount bid, payable to the City of Reno, Nevada, as a penalty in the event the bidder does not, within ten (10) working days after receipt of written notice that the contract has been awarded, enter into a contract with the City of Reno in accordance with this bid.

The successful bidder may be required to furnish a **performance bond** in the amount of one hundred percent (100%) of the contract insuring faithful performance of all terms of this bid. All bonds shall be subject to the approval of the Reno City Attorney. Bonding figure shall be construed as the total possible net cost to the City.

INSURANCE REQUIREMENTS

Successful bidder(s) shall procure and maintain Comprehensive or Commercial General Liability Insurance (occurrence form) from a carrier licensed to do business in the State of Nevada with a Best rating of A.VII or above. Minimum acceptable policy limits shall be in an amount of not less than one million dollars (\$1,000,000.00), combined, single limit, occurrence based policy, in a form satisfactory to the City. A certificate of insurance evidencing said coverage shall be supplied by successful bidder upon request, naming the City as an Additional Insured under the liability policy. The liability policy shall contain a provision that such policy shall not be cancelled until thirty (30) days prior written notice of cancellation has been received by the City.

Successful bidder(s) shall, upon request, deliver to City of Reno evidence of worker's compensation as required by the State of Nevada.

Invitation to Bid for Automated Brine Maker System
EXCEPTIONS

Does the bidder take exception to any of the terms or conditions of this Invitation to Bid and attachment thereto, or specifications? Yes _____ No _____. If yes, please indicate the specific nature of the exception or clarification, in the space provided below. Attach additional sheet(s) if necessary.

Firm Name _____ In compliance with this "Invitation to Bid" and
Address _____ subject to all Terms and Conditions thereof, the
City _____ undersigned offers and agrees, if this bid is accepted
State _____ Zip Code _____ herein at the prices, terms and delivery stated.
Signed _____
Telephone _____ (Area Code) _____ Print Name _____
Fax Number _____ Print Title _____

Bidders Federal Tax ID # May be requested at a later date

Invitation to Bid for Automated Brine Maker System

If further space is required, please attach additional sheet(s)

DISCLOSURE OF PRINCIPALS

Please print or type

Company Name

Telephone Number with area code

Street Address

Facsimile Number with area code

City, State and Zip Code

Federal Tax Identification Number

NAMES OF OFFICERS OR OWNERS OF CONCERN, PARTNERSHIP, ETC.

Name

Official Capacity

Street Address

City, State and Zip Code

Name

Official Capacity

Street Address

City, State and Zip Code

Name

Official Capacity

Street Address

City, State and Zip Code

Name

Official Capacity

Street Address

City, State and Zip Code

Invitation to Bid for Automated Brine Maker System

I/we hereby certify that the Instructions and Term and Conditions have been read and agree to:
(Print)

(Address)

(Phone)

(Fax)

Representative _____
(Print)

(Signature)

Vendor acknowledges 24 pages of this bid. Date _____

THIS SECTION LEFT INTENTIONALLY BLANK

Invitation to Bid for Automated Brine Maker System
City of Reno Specifications
Automated Brine Maker System

It is the intent of this specification to describe a Accubrine model ABRTF Automated Brine Maker system. It is used only as an example and clarification of description. Products of other manufacturers that are equal or better may be bid. The City of Reno will be the sole judge of “equal”.

SPECIAL NOTE:

**This equipment must meet “Buy America” provisions of
“Federal-Aid Construction Projects”**

All units shall be new, current production (2011/2012) model year equipment. Each unit shall be delivered fully equipped and ready for service including all related controls. The proposal shall identify the model name and number of the specific equipment being offered. The term of the resulting contract is intended to be two (2) years. During the term of the contract, the City reserves the right to purchase additional current production model year units at the Bidder’s quoted price. Delivery time shall be stated in the bid.

Additional public agencies may join in this purchase process at their option.

Intended Use

This unit will be utilized for downward flow automated brine production where the salt acts as a filter bed as the water moves down to a sump area and filter screen.

The unit, including all necessary equipment, shall be furnished complete and ready to use. All items not specifically mentioned that are required for a complete unit shall be furnished. The unit and all components shall be the latest model, shall not have been used in demonstrator or other service and shall be factory standard. The unit shall not be untested or prototype.

General

The automatic brine production system shall be capable of producing 5,000 gallons of brine per hour, (based on available water supply of 6,000 gallon/hr and storage tank configuration, static discharge of 45ft. head pressure). The system shall be capable of remotely filling trucks with brine, and recording truck fill data via RFID card reader system. The system shall be capable of flushing all sediment collected in the bottom of the salt tank without removing salt. The system shall provide complete automation of brine production without the intervention of an operator after initial system start, and automatically monitor and control brine concentration during production.

Units offered shall be equipped with the manufacturer’s equipment and accessories which are included as standard in the advertised and published literature for the unit being offered. No such

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item of equipment or accessories shall be removed or omitted for reason that it was not specified in the bid.

NOTE:1) Prototypes are not acceptable.

2) All units are to be delivered (without additional cost) to the City of Reno Corporation Yard at 1640 East Commercial Row Reno, Nevada 89512

3) Bidder shall be responsible for all warranty work. All warranty work shall be performed in the local Reno area.

4) Any component identified in this specification that does not meet minimum requirements of the specific application must be identified by the bidder and upgraded to meet the needs of the unit being proposed.

Miscellaneous

Manuals:

Two (2) each complete parts, operating and maintenance/repair manuals shall be provided for each unit ordered. Repair and parts manuals will be professionally prepared and have a detailed description of all components.

Training:

Bidder must provide a factory trained representative at the City facility to train the employees at the time of receipt and acceptance of equipment without additional cost.

Warranty

Warranty shall be not less than three (3) years and shall commence on the date the unit is placed into service. Warranty shall include all parts and labor as "factory standard"

1. Salt Hopper

- a. The salt hopper shall have a minimum capacity of 5 cubic yards.
- b. The salt hopper shall hold approximately 0.75 cubic yards of sediment without interfering with brine outlet.
- c. Minimum inside dumping width shall be no less than 120" inches.
- d. The hopper shall be constructed of 16,000 lb tensile strength fiberglass and isophthalic resin.
- e. All inside surfaces shall be coated with a ceramic resin 0.050" thick.
- f. Vessel shall have structural integral ribs to limit flex to within 1" from full to empty.
- g. Overall thickness of fiberglass and resin in the salt tank shall be 0.35". Structural areas such as ribs, corners and floor shall have additional layers of woven fiberglass matt for an overall thickness of 0.50".
- h. Sediment collection area shall have a 15 degree slope towards a 12"X 12" sump to promote debris clean out.
- i. For ease and expediency of cleaning, the system shall be capable of being cleaned via flush components of the unit. Accumulated sediment shall be capable of being

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cleaned with the salt hopper full of salt by a process of opening sump outlet cap and water flush valves.

- j. There shall be a fresh water flushing system to force sediment to sump and out of sump with a 4" stainless steel bulkhead fitting and 4" ball valve for clean out.
- k. There shall be a pressure transducer connected to the PLC to activate brine pump on and off and water flow into salt tank. These levels shall be adjustable from the HMI Interface to within 1 inch increments.
- l. Vessel shall have 2" male cam-lock type fittings and on/off ball valves for hose connections (fresh water, brine return, brine outlet to pump).
- m. There shall be reinforced forklift pockets for moving the salt tank.
- n. All metallic items shall be stainless steel.
- o. Salt tank shall have a stainless steel debris screen located above the sump and sediment collection area.
- p. To allow for maximum flow, the debris screen shall have 60 square feet of surface area and shall be capable of supporting 10,000 lb of salt evenly distributed across the total area.

2. Control System

- a. The control system shall be a continuous brine production system to be located inside a climate controlled building.
- b. Main panel shall be constructed of stainless steel with valve labels and valve functions etched into the panel.
- c. The Brine concentration sensor shall monitor the brine for temperature and automatically compensate brine concentration accordingly.
- d. Brine pumped from the salt tank shall be monitored for salt concentration.
- e. All brine exiting the salt tank shall pass over the brine concentration sensor that monitors brine between 19.6 and 27.0 % concentration by weight.
- f. System shall include a 256-color LCD touch screen display (7-1/2" diagonal). Information on the display screen shall include, but not be limited to: _____
 - i. Actual brine production concentration in the form of % sodium chloride concentration by weight.
 - ii. Gallons of fresh water used to make brine.
 - iii. Self diagnostics of conductivity sensor.
 - iv. Status of machines operating mode. Normal "Automatic Mode" mode along with the status of all electrical components.
 - v. Graphic illustrations such as liquid flow, system components, parts manuals, and operational instructions.
 - vi. Self diagnostics of electric valves indicating what valve is not functioning normally and valve status of open or closed position.

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- g. Calibration shall be performed from the HMI interface located on the face of the machine. Programming parameters shall be password protected.
- h. There shall be 5 user selectable operating modes Normal (Brine production), Winterize, System test, System Rinse and Simulate.
- i. The programmable logic controller (PLC) shall have a nonvolatile memory with EPROM back up of programming.
- j. As the brine concentration is pumped from the salt tank, the brine shall be monitored for the desired concentration.
- k. In the event that the concentration is below the minimum desired concentration, the system shall automatically divert brine to the salt tank for a second pass through the salt bed to achieve the desired concentration.
- l. The control system shall be configured to accept a signal from a pressure transducer located in a storage tank to automatically stop brine production when tank is full, or when production batch is complete. This circuit shall be capable of displaying storage tank volume.
- m. Control system shall monitor total gallons of water used, salt used, and brine produced daily and seasonally for record keeping.
- n. The control system shall be programmed with a winterization mode where the system will automatically cycle the brine pump and return the brine to the salt tank. The pump "on" and "off" times shall be programmable.
- o. The control system shall have a component rinse mode that cycles valves on main control panel to rinse system with fresh water.
- p. All electric valves shall include manual overrides.
- q. The system shall be designed with a manual valve counterpart to the electric valve to run parallel for a redundant manual control system.
- r. The system shall be completely self-diagnostic to include the pump, electrical valves and input signals.
- s. In the event of a component failure, the system shall automatically shut down and inform the operator of the specific failure along with a corrective measure. This includes how to manually override problem and provide a part number. ____
- t. All wetted parts on control panel except for pump shall manifold type glass filled polypropylene rated for 150 psi.

3. Mechanical Components

- a. Pump shall be constructed of cast stainless steel.
- b. Electric pump motor shall be 3 HP 220 Volt single phase.
- c. Pump shall be capable of delivering 5,000 gallons per hour of salt brine to storage tanks with a dynamic head of 45 ft.
- d. All fittings and valves shall be manifold type glass filled polypropylene.

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- e. Wetted Steel components shall be kept to a minimum; all steel components shall be constructed of 304-grade stainless steel.
- f. All fasteners shall be constructed of stainless steel.

4. Warranty

- a. A full parts and labor warranty shall be provided for three years starting after installation and training are complete.

5. Features

- a. Roll Tarp Cover
 - i. A roll tarp with arches and roll mechanism shall be installed onto brine maker to keep heat in and debris out.
 - ii. Tarp shall be easily operated by one person to open top of brine maker for normal operation.
- b. Fully Automated, Remote Mounted, Truck Fill Package.
 - i. Package shall be four electric ball valves, with manual override valves mounted onto an expandable modular panel.
 - ii. The system shall include a remote mounted NEMA 4X switch box with e-stop, pilot light, and on/off switch.
 - iii. In the event that the system is producing brine at the same time as filling trucks, the system shall automatically divert brine to the truck fill hose.
 - iv. If brine is not being produced then brine from storage tanks shall be diverted to truck fill hose.
 - v. System shall be automated with self diagnostics and the ability to be integrated with an RFID data logging device.
- c. Truck Fill Data Logging.
 - i. Remote Truck Fill Integrated Data Logging system complete with RFID reader and Tags.
 - ii. The system shall include a low frequency RFID reader, digital readout, keypad, mounted onto a NEMA 4X enclosure.
 - iii. Data recorded shall include Tag number, Date, Time, Quantity of material loaded, and material type.
 - iv. System shall be integrated into brine production system with automated truck filling system.
- d. Air purge system
 - i. Air purge system shall divert compressed air through the water supply line leading to the salt tank. System shall be configured to automatically purge water from line via an electric valve each time the machine stops production. The purge "ON" time shall be configured via HMI (air supply to be supplied via purchasing agency).
- e. Storage tank pressure transducer assembly

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- i. An analog pressure sensor and interconnect kit to integrate into automation process. The sensor shall be capable of communicating with the automation process to shut off brine production when storage tank is full, and will indicate storage tank volumes.
- f. Warning Beacon
 - i. The control system shall be capable of activating a remote mounted strobe lamp. Lamp shall blink quickly when a machine fault has occurred or blink slowly when low salt level is detected.
 - ii. Lamp, control relay and automation logic shall be supplied.
- g. Control panel 230 volt electrical service cable.
 - i. The system shall come pre-wired for electric service supply to include 10' of SOOW type cord with pre installed 1430P type plug. This will mate to customer supplied L1430R receptacle.
- h. Hose Kit
 - i. The system shall come complete with 200' of 2" EPDM rubber suction discharge hose, 10' of 2" pressure hose, Stainless Steel T-Bolt type hose clamps and (3) Type C cam lock couplings.
- i. LAN Access
 - i. The system shall come complete with the ability to access the HMI (operator interface) via Internet Explorer, all set up and operation data shall be capable of being viewed remotely via the display. Integration with customer's network will be the responsibility of the end user. _____
- j. 4" Drain Kit
 - i. A 4" valve, hose barbs and cam lever couplings shall be supplied to drain the salt tank of liquid and sediment.
- k. Through Wall Manifold
 - i. One 5 hole through wall manifold shall be supplied as a conduit for 2" hose and electrical connections exiting through wall (s).
 - ii. Wall manifold shall be constructed out of 14G Stainless Steel and shall have grommets supplied.
 - iii. **Options:** List available options and prices