

STATEMENT OF QUALIFICATIONS FOR WASTE TO ENERGY PROGRAM

Addendum Number: 1

Date Issued: April 20, 2015

Original Qualifications Due Date: April 24, 2015 2:00 P.M. Local AZ Time

New Qualifications Due Date: May 12, 2015 2:00 P.M. Local AZ Time

Extension in qualifications submittal deadline:

The schedule deadline for the qualifications submittal and opening has been extended to May 12, 2015 at 2:00 p.m. Arizona Time.

I. Instructions to Vendors:

This addendum is hereby made a part of the Statement of Qualifications packet issued for: **Waste to Energy Program** and therefore must be attached to the Statement of Qualifications packet response from vendors.

II. Following are questions and answers concerning the SOQ from the pre-submittal conference held on April 9, 2015.

Q: Can you confirm the correct number of originals, copies and electronic copies you would like submitted?

A: 6 copies

Q: What are your tipping fees?

A: \$33 per ton for waste generated inside the city. \$50 for waste from county customers. There is not charge for residents inside the city to use the landfill. County residents are charged a flat rate of \$20 for loads under one ton, or the regular \$50 per ton if the weight exceeds one ton.

Q: How much energy is used and what is the cost of energy at your wastewater treatment plant?

A: As specified in Section IV of the SOQ, the city is currently soliciting a Statement of Qualifications (to meet the waste to energy program criteria outlined

in Section I), not a Request for Bid. Additional information will be researched and provided to upon request later in the selection process.

Q: How much energy do they use at the landfill?

A: As specified in Section IV of the SOQ, the city is currently soliciting a Statement of Qualifications (to meet the waste to energy program criteria outlined in Section I), not a Request for Bid. Additional information will be researched and provided to upon request later in the selection process.

Q: Does Frito Lay currently drop with you?

A: The city receives a minimal amount of waste from Frito Lay. One open top roll-off container is hauled by the city to the landfill on an average of once every two months.

Q: Can we get a copy of the sign in sheet from the pre-submittal meeting?

A: See the attached copy.

Q: For WWTP Site View (see attachment): Is the land to the east/north of the WWTP available for use? Is the pond in the SW corner a retention basin? What are the pads on the west side of the WWTP used for? How much power and heat is required to run the WWTP, how much do they pay monthly/yearly or per kWh?

A: As specified in Section IV of the SOQ, the city is currently soliciting a Statement of Qualifications (to meet the waste to energy program criteria outlined in Section I), not a Request for Bid. Additional information will be researched and provided to upon request later in the selection process.

Q: For Landfill Site View (see attachment):: Can you mark the areas of the unlined landfill where the City would like to site a facility? Due to the vicinity of the neighboring residential, should we assume that all organics processing should be indoors / complete odor control?

A: The identified items are to be proposed by the vendor. The proposal will serve as the basis for follow up discussion with selected vendor(s).

Q: Is Casa Grande willing to have the WTE building on the landfill site?

A: We will consider it. We will take into consideration the footprint and resources that facility will need. It really depends. The answer is not “no”.

Q: Does the proposer need to purchase land for the facility?

A: Yes, if the City can't find the property that it owns that might accommodate the facility. The City owns a lot of property around the site that might work.

Q: It's stated in the general information that there is an agreement needed for additional municipal solid waste.

A: The City can't control waste streams. The City collects trash from residents and receives a trash stream from outside the City boundaries. The City cannot be responsible for guaranteeing the waste stream. We will consider operating trash collection outside City boundaries depending on if another City would be willing to partner.

Q: Do you collect from agricultural sources in the County and do you have any relationships with the Tribes.

A: We do not currently provide any services to the Tribes. We do provide service to some agricultural operations although it's pretty limited. We have attached a revised version of Attachments B-1 & B-2. Please see attached sheet.

Q: Is the sludge from the Waste Water Treatment Plant Treated?

A: Yes. It is around 20% solids. The City uses it as an alternative daily cover material that the City blends 3-1 with regular dirt.

Q: Is there land near the waste water treatment plant that could potentially house this site?

A: The City does not have any land near that site. We have not considered that.

Q: If there is additional solid waste what is the anticipated additional total pounds per day to the figures that are in appendix A.

A: It depends what type of waste we can direct to this site through agreements.

Q: Is there any limit to the number of pages when listing the team member's qualifications.

A: We want to know enough about the team members so we can develop a level of comfort that the proposers have developed a team that can get us to the finish line. It is not limited to the 6 page requirement for the general summary but keep it within reason.

Q: Are you looking for us to bring the financials or is the City looking to pay for it.

A: The City is looking for a partnership that will basically cost the City nothing, similar to an Energy Saving Performance Contract. We will, however, consider other opportunities.

Q: Do you capture methane gas at treatment plant?

A: The City does not capture methane gas.

Q: What processes has taken you to Title 5?

A: The City is large enough for Title 5 but has not failed the Tier 2 test so the City has not been asked to install gas collection and management system.

Q: Are you facing capacity issues at the landfill?

A: The City landfill has 23 years left of capacity. The City is interested in making that 100 years and sees that as a cost saving opportunity.

Q: How much recyclables do you divert on a consistent basis?

A: The City diverts 5-6%.

Q: Do you have any CNG fleet vehicles or would you be interested in replacing your vehicles with CNG.

A: The City is not far from moving to that next step but the City is currently not there today.

Q: Can you mark the areas of the unlined landfill where the City would like to site a facility? Due to the vicinity of the neighboring residential, should we assume that all organics processing should be indoors / complete odor control?

A: The identified items are to be proposed by the vendor. The proposal will serve as the basis for follow up discussion with selected vendor(s).

Q: In the Notice of SOQ it is stated you would like to “reduce emissions compared to current processes”. What is the processes you are speaking of and what are the emissions?

A: The current processes include dumping and landfilling waste, moving soil, mixing sludge and soil for cover material, maintaining roads, and conducting other miscellaneous activities to support a landfill operation. Attached is the 2014 emissions inventory summary recently submitted to Pinal County Air Quality Control District.

Q: Currently what is the current wholesale and retail cost of electricity (KWH cost)?

A: As specified in Section IV of the SOQ, the city is currently soliciting a Statement of Qualifications (to meet the waste to energy program criteria outlined in Section I), not a Request for Bid. Additional information will be researched and provided to upon request later in the selection process.

Q: In the pre-submittal conference it was stated you have approximately 23 years left on your landfill. How many cells will you be closing and opening in that 23 years?

A: The landfill consists of two cells. The West Cell is currently the active cell and has approximately 11 years of remaining life. The East Cell has a projected 12 year of life, to begin after the West Cell is completed.

Ans. This refers to answering all the requirements in the RFQ. There is no separate questionnaire other than the RFQ.

Contractor's Signature & Date

Company Name

Note: A signed copy to this addendum is to be returned with the Contractor's SOQ proposal.



**CASA GRANDE SOLID WASTE MUNICIPAL LANDFILL
2013 EMISSION INVENTORY SUMMARY
JANUARY 1, 2014 - DECEMBER 31, 2014**

Process ID No(s)	Emission Source	2014 REPORTABLE EMISSIONS							
		CO lbs/year	HAPs lbs/year	VOC lbs/year	NO _x lbs/year	PM _{2.5} lbs/year	PM ₁₀ lbs/year	Pb lbs/year	SO ₂ lbs/year
1, 2	Light Duty Vehicles, Unpaved Roads	0	0	0	0	7	1,884	0	0
3, 4	Heavy Duty Vehicles, Unpaved Roads	0	0	0	0	59	42,006	0	0
5, 6	Scraper Fugitive Dust Emissions	0	0	0	0	4.2	2,572	0	0
7, 8	Stockpiles and disturbed landfill area emissions	0	0	0	0	23,040	100,800	0	0
9	Uncontrolled Landfill Gas Emissions, VOCs	0	0	17,561	0	0	0	0	0
10	Uncontrolled Landfill Gas Emissions, HAPs	0	864	0	0	0	0	0	0
11	Trash Pump Diesel Engine	33.28	0.13	11.48	154.49	1.6	10.9	0	10.16
12,13,14,15	Road Grader Scarification and Compaction	0	0	0	0	76	506	0	0
TOTALS (lbs/yr) =		33.28	864	17,573	154.49	23,188	147,779	0.00	10.16
TOTALS (tons/yr) =		0.02	0.43	8.79	0.08	11.59	73.9	0.00	0.01

Process ID No(s)	Emission Source	2014 BILLABLE EMISSIONS ^(1,2,3)							
		CO lbs/year	HAPs lbs/year	VOC lbs/year	NO _x lbs/year	PM _{2.5} lbs/year	PM ₁₀ lbs/year	Pb lbs/year	SO ₂ lbs/year
1, 2	Light Duty Vehicles, Unpaved Roads	0	0	0	0	0	0	0	0
3, 4	Heavy Duty Vehicles, Unpaved Roads	0	0	0	0	0	0	0	0
5, 6	Scraper Fugitive Dust Emissions	0	0	0	0	0	0	0	0
7, 8	Stockpiles and disturbed landfill area emissions	0	0	0	0	0	0	0	0
9	Uncontrolled Landfill Gas Emissions, VOCs	0	0	17,561	0	0	0	0	0
10	Uncontrolled Landfill Gas Emissions, HAPs	0	863	0	0	0	0	0	0
11	Trash Pump Diesel Engine	33.28	0.13	11.48	154.49	1.63	10.86	0.00	10.16
12,13,14,15	Road Grader Scarification and Compaction	0	0	0	0	0	0	0	0
TOTAL BILLABLE (lbs/yr) =		33.28	864	17,573	154.49	1.63	10.86	0.00	10.16
TOTAL BILLABLE (tons/yr) =		0.02	0.43	8.79	0.08	0.00	0.01	0.00	0.01

2014 TOTAL BILLABLE = 18,647 Lbs

2014 TOTAL BILLABLE = 9.3 Tons

2014 TOTAL FEE = TBD (Note: PCAQD determines fee rate, \$/ton, and issues the invoice after review)

Notes:

- 1 Total billable emissions "excludes" HAPs that are already included with VOCs.
- 2 Total billable emissions "includes" HAPs that are not VOCs.
- 3 Total billable emissions exclude fugitive emissions of PM₁₀ per Pinal County Rules, Section 3-7-590.C.5.

City of Casa Grande Tonnage / Appendix B1 & B2 (revised 4/9/15)

Transaction Totals CGAZTRAN - NUTS\ENDER Total Tonnage [Date Out] Between 1/1/2013 and 12/31/2013	
Label	Net Tn
City Resident	1,828
Government Agencies	176
County Resident	1,302
Outbound Recyclable Mater	1,734
Inbound Residential Recyc	1,205
County Commercial Hauler (private haulers)	4,987
Inbound Commercial Recycl	227
City Commercial Roll-Offs (city RO trucks)	9,349
City Commercial Hauler	20,997
City Departments (streets, parks, police, etc)	8,947
Sanitation Collection (city collection trucks except ROs)	29,470
Total Tonnage	80,221

Transaction Totals CGAZTRAN - NUTS\ENDER Total Tonnage [Date Out] Between 1/1/2014 and 12/31/2014	
Label	Net Tn
City Resident	1,997
Government Agencies	282
County Resident	1,168
Outbound Recyclable Mater	1,663
Inbound Residential Recyc	1,065
County Commercial Hauler (private haulers)	5,324
Inbound Commercial Recycl	302
City Commercial Roll-Offs (city RO trucks)	8,833
City Commercial Hauler	13,911
City Departments (streets, parks, police, etc)	12,120
Sanitation Collection (city collection trucks except ROs)	29,573
Total Tonnage	76,240

Material Totals CGAZTRAN - NUTS\ENDER Total Tonnage [Date Out] Between 1/1/2013 and 12/31/2013	
Label	Net Tn
Construction	1,684
Demolition	2,842
Household	37,517
Industrial	5,810
Green Waste	4,149
Roofing	742
Appliances (1)	1
Mattresses	5
Concrete	896
Dirt (1)	14,926
Cardboard (1)	471
Not Specified	11
White Paper (1)	5
Scrap Metal (1)	197
Wood Chips	6
Mixed Load	4
Road Debris	140
Tires (1)	10
Electronic Waste (1)	14
Co-Mingled (1)	2,539
Uncontained-alley trash	1,502
WW Sludge	6,749
Total Tonnage	80,221

Material Totals CGAZTRAN - NUTS\ENDER Total Tonnage [Date Out] Between 1/1/2014 and 12/31/2014	
Label	Net Tn
Construction	1,210
Demolition	2,654
Household	36,729
Industrial	6,869
Green Waste	4,117
Roofing	696
Appliances (1)	14
Mattresses	16
Concrete	532
Dirt (1)	8,348
Cardboard (1)	432
Not Specified	108
Aluminum (1)	-
Scrap Metal (1)	177
Wood Chips	4
Mixed Load	1
Road Debris	277
Electronic Waste (1)	11
Co-Mingled (1)	2,581
Uncontained-alley trash	1,526
WW Sludge	9,937
Total Tonnage	76,240

Total Tonnage with dirt and recyclables removed (1)	62,071
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Total Tonnage with dirt and recyclables removed (1)	64,676
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CITY OF CASA GRANDE

PUBLIC WORKS DEPARTMENT

PRE SUBMITTAL MEETING for CITY OF CASA GRANDE "Waste to Energy Project" April 9, 2015

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