

MARCH 20, 2006 Amendments to Request for Proposals for FutureGen Facility Host Site

These are amendments to the final Request for Proposal (RFP) issued on March 7, 2006. The period of time for responding to the RFP is not extended. Proposals are due by 4:00pm Eastern time on May 4, 2006 to the address listed in Section 1.5.10 of the RFP.

1. Section 1.4 is modified to read as follows:

1.4 Points of Contact

To ensure fairness in the site selection process, from the date this RFP is issued until the Alliance announces the Candidate Site List, potential offerors and their representatives are prohibited from discussing this procurement with any Alliance member companies or staff, unless the following procedure is followed:
~~authorized in writing by the Alliance Chief Executive Officer (see Section 1.5.2).~~

Prior to contacting any Alliance member listed in Section 1.5.2, offerors must send an electronic mail message to SiteRFP@FutureGenAlliance.org addressed to Mike Mudd, Alliance Chief Executive Officer, with the subject line, "Notification of Contact with a Potentially Conflicted Party." The message must include a very brief statement indicating: 1) the organization to be contacted and 2) the nature of the request. It is the offeror's responsibility to assure that the substance of the FutureGen RFP is not discussed during the conversation, except for Criteria 3.7.1 and 3.7.2, power off-take considerations, and the Transmission Interconnection criterion in the Best Value Assessment section. While supporting information may be provided by the Alliance member to address these criteria, the Alliance member may not be a party to the proposal.

Any unauthorized contact may disqualify the offeror from further consideration. Clarifying questions on the RFP may be submitted in writing to SiteRFP@FutureGenAlliance.org no later than 5:00 p.m. Eastern Time on March 16, 2006. The subject line for the electronic mail message should read "RFP Clarifying Question." Should any issues arise with electronic submittal due to a malfunction of the FutureGen Alliance website, the website technician may be contacted at 202-429-8430. The website technician will not be able to answer questions on the RFP itself.

2. The definition of “sensitive feature” in Section 3 is modified to read as follows:

Sensitive feature means a **large** dam, water reservoir, hazardous materials storage facility, or Class 1 injection well.

Public access area (PAA) means a state ~~or local~~ park or national park or preserve, national monument, national seashore, national lakeshore, national wildlife refuge, designated wilderness area, designated wild and scenic river, or study area for any of the preceding designations.

3. The definitions in Section 3 are modified to add the following:

***Large dam* means any dam of 15 meters (50 feet) or more in height or a dam greater than 5 meters (16 feet) high and having a reservoir volume of more than 3 million cubic meters (4 million cubic yards).**

4. Criterion 2.6.3 is modified to read as follows:

2.6.3. Sensitive Features. The land above the proposed target formation(s) must not intersect **large** dams, water reservoirs, hazardous materials storage facilities, Class 1 injection wells, or other sensitive features. The bottomhole location of any injection well must be no closer than 10 miles (16 kilometers) to any sensitive feature. Based on the professional judgment of technical experts, the Alliance believes that a 50-MMT CO₂ plume would have a very low probability of migrating up to 10 miles (16 kilometers) from the bottomhole of an injection well. Because this is a first-of-a-kind demonstration project, 10 miles was chosen as a conservative safe distance.

5. Criterion 2.4.3 is modified to read as follows:

2.4.3. Formation Stimulation. The proposed primary deep saline formation must have sufficient storage capacity to meet the project goals without dependence on large-scale physical or chemical stimulation techniques.

- Required evidence: Provide calculations and supporting geologic data that **60 percent of the injectivity target of 1 MMT CO₂ per year (i.e., 0.6 MMT per year)** can be met in the primary deep saline formation, with hydraulic fracture stimulation, acoustic stimulation, or chemical stimulation accounting for no more than 25 percent of **this** injectivity goal.

6. Criterion 3.6.2 is modified to read as follows:

3.6.2 Volume of Water Available. Flexibility in meeting cooling water requirements is desirable. It is preferable that water be available in excess of the minimum 2,500 gpm [Criterion 1.4.2].

- Data requested: Provide the location and quantity of available water in excess of 2,500 gpm and demonstrate its availability to the project.

7. Criterion 4.1.2 is modified to read as follows:

4.1.2 Orientation. The distribution and migration of CO₂ in the primary deep saline formation are greatly influenced by the structural dip of the formation strata. Except for anticlinal closures, the Alliance will assign higher scores to sites with lower average structural dip, unless sufficient evidence is provided of a structural or stratigraphic trapping mechanism that would prevent up-dip migration of the CO₂. Dips less than 5 (five) degrees will be classified as "lower" dips.

- Data requested: Provide supporting geological data and calculations documenting the average structural dip of the deep saline formation bed (excluding anticline closures) across the proposed formation. Provide evidence of structural or stratigraphic trapping mechanisms that would prevent up-dip migration of the CO₂.

8. For those criteria that require information on separate target formations if more than one target formation is proposed, the offeror will be allowed one page for each criterion for each target formation. There is a one-page per target formation page limit for all criteria in Parts 2 (Geologic Storage Qualifying Criteria) and 4 (Geologic Storage Scoring Criteria), except for the following (which relate to the primary deep saline formation and retain the one-page limit):

- Criterion 2.4.1 Deep Saline Formation
- Criterion 2.4.2 Depth
- Criterion 2.4.3 Formation Stimulation
- Criterion 4.1.2 Orientation
- Criterion 4.1.3 Permeability