



Department of Administration / Division of Purchases  
One Capitol Hill, Providence, Rhode Island 02908-5855  
Web Site: [www.purchasing.ri.gov](http://www.purchasing.ri.gov)

6 October 11

## Addendum # 2

**RFP # 7449096**

**Title: (ARRA) Energy Program Software Solutions**

Submission Deadline: 24 Oct 11 @ 11:30 AM (Eastern Time)

- The remaining questions, submitted in accordance with the terms of this solicitation, are posted, and answered, in this addendum.
- No further questions shall be entertained.

A handwritten signature in black ink, appearing to read 'Jerome D. Moynihan'.

Jerome D. Moynihan, C.P.M., CPPO  
Assistant Director for Special Projects

**RFP # 7449096: ENERGY SOFTWARE PROGRAM SOLUTION Proposal Questions**

1. On page 5 of the RFP it is stated design and management of the system will begin on XXXXX,  
Design can start on completion of contract  
Management:  
February 2012 for Weatherization  
October 2012 for LIHEAP
2. 2011. What is the date and year? Are you requesting a system to begin in 2011?  
NO February 2012 for Weatherization  
October 2012 for LIHEAP
3. On page 5 you refer to ACID Properties. Please define the ACID properties you would like the database to have? Atomicity / Consistency / Isolation / Durability

### **Atomicity**

Main article: [Atomicity \(database systems\)](#)

[Atomicity](#) requires that database modifications must follow an "all or nothing" rule. Each transaction is said to be atomic. If one part of the transaction fails, the entire transaction fails and the database state is left unchanged.

To be compliant with the 'A', a system must guarantee the atomicity in each and every situation, including power failures / errors / crashes.

This guarantees that 'an incomplete transaction' cannot exist.

### **[edit] Consistency**

Main article: [Consistency \(database systems\)](#)

The [consistency](#) property ensures that any transaction the database performs will take it from one consistent state to another.

Consistency states that only consistent (valid according to all the rules defined) data will be written to the database.

Quite simply, whatever rows will be affected by the transaction will remain consistent with each and every rule that is applied to them (including but not only: constraints, cascades, triggers).

While this is extremely simple and clear, it's worth noting that this consistency requirement applies to everything changed by the transaction, without any limit (including triggers firing other triggers launching cascades that eventually fire other triggers etc.) at all.

### **[edit] Isolation**

Main article: [Isolation \(database systems\)](#)

Isolation refers to the requirement that no transaction should be able to interfere with another transaction at all.

In other words, it should not be possible that two transactions affect the same rows run concurrently, as the outcome would be unpredictable and the system thus unreliable.

This property of ACID is often relaxed (i.e. partly respected) because of the huge speed decrease this type of concurrency management implies.

In effect the only strict way to respect the 'I' property is to use a *serializable* model where no two transactions can occur on the same data at the same time and where the result is predictable (i.e. transaction B will happen after transaction A in every single possible case).

In reality, many alternatives are used due to speed concerns, but none of them guarantees the same reliability.

## [\[edit\]](#) Durability

Main article: [Durability \(database systems\)](#)

Durability means that once a transaction has been committed, it will remain so.

In other words, every committed transaction is protected against power loss/crash/errors and cannot be lost by the system and can thus be guaranteed to be completed.

4. Do you have a list of the ARRA reports to be maintained?

**Weatherization completion report**

5. Does purchasing or the prime recipient have assistance available to the contractor or recipient vendors to help them meet the ARRA requirements other than Section 5 of the RFP.

**NO major requirements will be needed**

6. The RFP states the LIHEAP module must check against the Social Security Administration's Death Master File. How and in what format does this need to be done? Will exporting information from the LIHEAP module fulfill this need? If so, what format does the exported information need to be in?

**Exporting information will fulfill this requirement**

**Format is Unknown at this time**

7. The RFP states the LIHEAP module must make payments to oil and gas vendors. Is this the same request as stated in the RFP, "The software solution shall be capable of transferring funds via the Federal Reserve's Automated Clearing House (ACH) system." How is this done? Will exporting financial information in a common format meet this need? If so, what format?

**Exporting data may meet this requirement**

**Unknown format this maybe an upgrade at a later date**

8. The database shall be capable of importing existing data from a common format. What kind of data needs to be imported and how will it be used. For example, is it demographic data or energy audit data? And how will the information be used?

**This is demographic data and utility data from national grid. The data will be used to reduce and track utility consumption.**

**The software company will need to roll over data from current system.**

9. Can you identify the specific reports that are required in this section and/or provide copies of them?

Household report (federal report) Primary grants/Crisis Grants

Tracking of vendor payments and obligations for all seven agencies

Completion reports

Payment report by vendor/CAP agency/etc

10. Please identify the criteria the State of RI uses to prioritize clients?

Age/ Disability / young children/

11. Will weatherization contractors access the solution in order to access or update information about the contracted work performed?

No not at this time

12. REF SECTION 2 – PROJECT DESCRIPTION / Introduction and Background – Item 2: **The Social Security Administration Death Master File is a paid subscription service. Does the State of Rhode Island have access to this system already?**

Yes but would like to streamline the process with a batch download if possible

13. REF SECTION 2 – PROJECT DESCRIPTION / Introduction and Background – Item 2: **Can you identify the specific reports that are required in this section and/or provide copies of them?**

Household report (federal report) Primary grants/Crisis Grants

Tracking of vendor payments and obligations for all seven agencies

Completion reports

Payment report by vendor/CAP agency/etc

14. REF SECTION 2 – PROJECT DESCRIPTION / Introduction and Background – Item 3: **Please identify the criteria the State of RI uses to prioritize clients**

**See question number 10**

15. REF Scope of Services – Item 1: **On or before what date would the State of Rhode Island prefer commencing software system to manage the WAP and LIHEAP programs commencing?**

**See question number 1**

**END**