



Control Number: 48745



Item Number: 44

Addendum StartPage: 0

**DOCKET NO. 48745  
SOAH DOCKET 473-19-1841**

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| <b>COMPLIANCE FILING OF ENTERGY<br/>TEXAS, INC. RELATING TO<br/>PARTICIPATION IN SMART METER<br/>TEXAS AND CHANGES TO ITS<br/>ADVANCED METERING SYSTEM</b> | <b>§<br/>§<br/>§<br/>§<br/>§</b> | <b>BEFORE THE STATE OFFIC<br/><br/>OF<br/><br/>ADMINISTRATIVE HEARINGS</b> |
|--|----------------------------------|--|

**RESPONSE OF ENTERGY TEXAS, INC.  
TO MISSION: DATA COALITION THIRD REQUEST FOR INFORMATION:  
MISSION: DATA COALITION 3: 1, 2, 3, 4**

Entergy Texas, Inc. ("Entergy Texas" or "the Company") files its Response to Mission: Data Coalition Third Request for Information. The response to such request is attached and is numbered as in the request. An additional copy is available for inspection at the Company's office in Austin, Texas.

Entergy Texas believes the foregoing response is correct and complete as of the time of the response, but the Company will supplement, correct or complete the response if it becomes aware that the response is no longer true and complete, and the circumstance is such that failure to amend the answer is in substance misleading. The parties may treat this response as if it were filed under oath.

Respectfully submitted,

**Wajiha Rizvi**  
Wajiha Rizvi  
Entergy Services, LLC  
919 Congress Avenue, Suite 701  
Austin, Texas 78701  
(512) 487-3962 telephone  
(512) 487-3958 facsimile

**Attachments: Mission: Data Coalition 3: 1, 2, 3, 4**

**CERTIFICATE OF SERVICE**

I certify that a copy of the foregoing Response of Entergy Texas, Inc. to Mission: Data's Third Request for Information has been sent by either hand delivery, email, facsimile, overnight delivery, or U.S. Mail to the party that initiated this request in this docket on this the 2nd day of April 2019.

**Wajiha Rizvi**  
Wajiha Rizvi

RECEIVED  
JAN -2 PM 1:06  
PUBLIC UTILITY COMMISSION  
FILING CLERK

ENTERGY TEXAS, INC.  
PUBLIC UTILITY COMMISSION OF TEXAS  
DOCKET NO. 48745

Response of: Entergy Texas, Inc.  
to the Third Set of Data Requests  
of Requesting Party: Mission: Data Coalition

Prepared By: John Gregory Fenn  
Sponsoring Witness: TBD  
Beginning Sequence No. LR129  
Ending Sequence No. LR130

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Question No.: MDC 3-1

Part No.:

Addendum:

Question:

See ETI's response to M:d 2-1 in which ETI states, "There is a unique identifier associated with each one of a customer's meters that will be provided to an authorized CSP. That unique identifier is then included in the XML file received by the customer-authorized CSP, which will allow the CSP to match the applicable XML file to each meter."

- a. Is the XML file referenced separate from, or contained within, the Green Button file containing usage data?
  - b. How will the "unique identifier" be "provided to an authorized CSP"? Via email, File Transfer Protocol site, Application Programming Interface, or other method? Please explain in detail.
  - c. Please provide a sample of the XML file containing the unique identifiers.
  - d. Please explain in detail how a CSP is expected to use a "unique identifier" to determine the meter's address or physical location.
- 

Response:

- a. The unique identifier is contained in the Green Button XML file along with the usage data. The unique identifier will appear in the "Account:XXXXXX" field in the sample file provided in response to subpart c.
- b. A CSP will be able to access the unique identifier via the ETI Customer Engagement Portal (CEP). See the response to subpart d for an illustrative screen shot.
- c. See attached file (My Data -acct numXXXX.xml), which is illustrative and subject to modification during the Green Button Alliance certification process. A customer's unique identifier would appear in the "Account:XXXXXX" field.

- d. An authorized CSP will have access to the unique identifier and other customer data, including meter location, via the CEP. See the following screen shot, which is illustrative and subject to modification during final design. The column labeled “CustID” will contain the customer’s unique identifier. In addition, there will either be a separate column with the meter location or the ability to click on a customer’s name to display the meter location.

### Green Button Connect Customer List

VendorID: 14

Inspect data from:

Until:

Show 10

| Select                   | First Name           | Last Name            | CustID               | Customer Email | Customer Log | Delete Customer |
|--------------------------|----------------------|----------------------|----------------------|----------------|--------------|-----------------|
| <input type="checkbox"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |                |              |                 |
| <input type="checkbox"/> | First 1              | Last Name 1          | 342975               |                | Log          | Remove          |
| <input type="checkbox"/> | First 2              | Last Name 2          | 342978               |                | Log          | Remove          |
| <input type="checkbox"/> | First 3              | Last Name 3          | 342916               |                | Log          | Remove          |
| <input type="checkbox"/> | First 4              | Last Name 4          | 342781               |                | Log          | Remove          |
| <input type="checkbox"/> | First 5              | Last Name 5          | 342707               |                | Log          | Remove          |
| <input type="checkbox"/> | First 6              | Last Name 6          | 343173               |                | Log          | Remove          |
| <input type="checkbox"/> | First 7              | Last Name 7          | 343129               |                | Log          | Remove          |
| <input type="checkbox"/> | First 8              | Last Name 8          | 342606               |                | Log          | Remove          |
| <input type="checkbox"/> | First 9              | Last Name 9          | 343186               |                | Log          | Remove          |
| <input type="checkbox"/> | First 10             | Last Name 10         | 342617               |                | Log          | Remove          |

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Showing 1 - 10 of 10 filtered results

ENTERGY TEXAS, INC.  
PUBLIC UTILITY COMMISSION OF TEXAS  
DOCKET NO. 48745

Response of: Entergy Texas, Inc.  
to the Third Set of Data Requests  
of Requesting Party: Mission: Data Coalition

Prepared By: John Gregory Fenn  
Sponsoring Witness: TBD  
Beginning Sequence No. LR131  
Ending Sequence No. LR132

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Question No.: MDC 3-2

Part No.:

Addendum:

Question:

See ETI's response to M:d 2-3( c), in which ETI states, "A CSP will receive an access token after becoming a registered third-party service provider." Please note that, according to IETF RFC6749, an "access token" is a customer-specific authorization token generated by the customer's authorization action, whereas a "client\_secret" is a CSP-specific code given by ETI to ensure secure communications with the CSP. For further information, see <https://tools.ietf.org/html/rfc6749#section-4.1>.

- a. Given the above definitions, does ETI wish to update its response to M:d 2-3(c)?
  - b. Given the above definitions, does ETI wish to update its response to M:d 2-3(d)?
  - c. At what stage in the authorization flow does the customer log in to the Competitive Service Provider's (CSP) website? Please explain in detail.
  - b. If the customer does not log in to the CSP's website during the authorization flow, then what is OAuth 2.0 used for? Please explain in detail.
- 

Response:

- a. No. Both components stated in the question ("access token") and ("client\_secret") are part of OAuth 2.0, with which ETI's Green Button Connect functionality will comply.
- b. No. Receiving an access token is part of OAuth 2.0, with which ETI's Green Button Connect functionality will comply.
- c. A customer will not provide authorization through a CSP's website. Customer authorization for a CSP to receive the customer's data must be granted through ETI's customer engagement portal (CEP).

Question No.: MDC 3-2

- d. Following the CSP registration process, which is not yet been designed or defined, OAuth 2.0 governs the secure transfer of data between the CEP and the CSP.

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Response of: Entergy Texas, Inc.  
to the Third Set of Data Requests  
of Requesting Party: Mission: Data Coalition

Prepared By: John Gregory Fenn  
Sponsoring Witness: TBD  
Beginning Sequence No. LC12  
Ending Sequence No. LC12

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Question No.: MDC 3-3

Part No.:

Addendum:

Question:

- a. Does ETI intend to provide a “sandbox” or “test” environment for CSPs to test their Green Button Connect integration with ETI?
  - b. If so, please explain the features of the sandbox environment in detail. If not, please explain why not in detail.
- 

Response:

- a. No.
- b. The Company plans to obtain Green Button Alliance certification, which means that the XML file will comply with Green Button certification requirements, the interaction with third-parties is based on open standards, and the authorization utilizes OAuth 2.0. Accordingly, a test environment is not necessary.

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Response of: Entergy Texas, Inc.  
to the Third Set of Data Requests  
of Requesting Party: Mission: Data Coalition

Prepared By: John Gregory Fenn  
Sponsoring Witness: TBD  
Beginning Sequence No. LC13  
Ending Sequence No. LC13

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Question No.: MDC 3-4

Part No.:

Addendum:

Question:

What processes does ETI have in place to distinguish energy usage values of zero (0) for particular time intervals with energy usage values of “null” (or “no value available”) prior to transmission to customer-authorized CSPs via Green Button Connect? Please explain in detail.

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Response:

In the circumstances when no value is available, estimated data will be provided, which will be noted, and later trued up.



**CD ATTACHED**

**TO VIEW PLEASE CONTACT  
CENTRAL RECORDS  
512-936-7180**