July 20, 2020

ADDENDUM No. 4

RE: Addendum to Request for Quotation S2020-05 “Walk-By” Meter Reading System

Bid Due – July 29, 2020 by 2:00 PM

Clarification only: This addendum will need to be returned with your bid response.

1) How many Readers go out on your busiest read day? 7? 6? 5?
   Answer – 5 would be the most Readers that we would be sending out.

2) Can you clarify the requirement for ‘special characters for meter or maintenance conditions . . .’
   listed in the “Functions” section on page 2 of 10? Can you provide examples of ‘special
   characters’?
   Answer – “Special Characters for meter or maintenance conditions – are the numbers that are
   associated with a maintenance code; for example, if a meter reader put the number 41 in the comments
   section of the handheld input when reading a particular meter, code 41 would be included in the data
   file and triggers a message to “Replace a #38 Meter Box Lid”.

3) Can you share a specification document or similar for the “Interface to work with the Authority’s
   Customer Service Module” listed on pages 2 and 3 of 10?
   Answer – Please refer to Attachment “A” of this addendum.

4) We don’t carry the traditional reading unit handhelds, but we do offer a Ruggedized full windows
   tablet. Would that be acceptable option to propose??
   Answer – Yes.

This addendum consists of five page(s). All other terms and conditions remain unchanged. All questions
concerning the bid specification or Scope of Work must be submitted in writing either by mail, facsimile,
or e-mail, and received no later than the date noted in the above referenced RFQ.

Sylvia McCain
Procurement Specialist

Fax # (619) 427-9574 or Email to Purchasing@sweetwater.org

Enclosure: as cited
**Download File exchange from Utility Billing System to AMR Handheld Device (Page 1 of 2)**

**File Type:** Fixed length  
**File Header:** Yes  
**Record Length:** 276 characters / One record per line  
**File Encoding:** UTF-8  
**EOL Character:** <CR><LF>

### Header Record (Row 1)

<table>
<thead>
<tr>
<th>Position</th>
<th>Length</th>
<th>Type</th>
<th>Format Mask</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>numeric</td>
<td>999</td>
<td>Route Number</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td></td>
<td></td>
<td>Filler space</td>
</tr>
<tr>
<td>5</td>
<td>4</td>
<td>numeric</td>
<td>9999</td>
<td>Number of Data Records in file (excluding the Header Record)</td>
</tr>
<tr>
<td>9</td>
<td>1</td>
<td></td>
<td></td>
<td>Filler space</td>
</tr>
<tr>
<td>10</td>
<td>16</td>
<td></td>
<td></td>
<td>Spaces (reserved for Meter Reader Initials on Upload)</td>
</tr>
<tr>
<td>26</td>
<td>249</td>
<td></td>
<td></td>
<td>Filler space</td>
</tr>
<tr>
<td>275</td>
<td>1</td>
<td>alpha</td>
<td>X</td>
<td>&quot;X&quot; is End-Of-Line character for AMR fixed-length file.</td>
</tr>
</tbody>
</table>

### Data Records (Rows 2+)

<table>
<thead>
<tr>
<th>Position</th>
<th>Length</th>
<th>Type</th>
<th>Format Mask</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
<td>numeric</td>
<td>0999</td>
<td>Zero Left-padded Record Number</td>
</tr>
<tr>
<td>5</td>
<td>30</td>
<td>alpha</td>
<td></td>
<td>Service Address</td>
</tr>
<tr>
<td>35</td>
<td>5</td>
<td>alpha</td>
<td>9/9 or 9 or 9-9/9 or 99</td>
<td>Meter Size (possible values are 5/8, 1, 1-1/2, 2, 4, 6, 8, 10)</td>
</tr>
<tr>
<td>40</td>
<td>10</td>
<td>numeric</td>
<td>99999999999</td>
<td>Meter Number</td>
</tr>
<tr>
<td>50</td>
<td>40</td>
<td>alpha</td>
<td></td>
<td>Meter Reader Notes</td>
</tr>
<tr>
<td>90</td>
<td>6</td>
<td></td>
<td></td>
<td>Spaces (reserved for Consumption on Upload)</td>
</tr>
<tr>
<td>96</td>
<td>6</td>
<td>numeric</td>
<td>099999</td>
<td>Zero Left-padded Previous Read</td>
</tr>
<tr>
<td>102</td>
<td>6</td>
<td>alpha</td>
<td>XXXXXXX</td>
<td>Six &quot;X&quot; characters (reserved for Current Read on Upload from AMR)</td>
</tr>
<tr>
<td>108</td>
<td>2</td>
<td></td>
<td></td>
<td>Spaces (reserved for Service Code on Upload from AMR)</td>
</tr>
<tr>
<td>110</td>
<td>2</td>
<td></td>
<td></td>
<td>Spaces (reserved for Service Code 2 on Upload from AMR)</td>
</tr>
<tr>
<td>112</td>
<td>40</td>
<td></td>
<td></td>
<td>Spaces (reserved for Meter Reader Comments on Upload from AMR)</td>
</tr>
<tr>
<td>152</td>
<td>19</td>
<td></td>
<td></td>
<td>Filler space (Label)</td>
</tr>
<tr>
<td>171</td>
<td>1</td>
<td></td>
<td></td>
<td>Filler space (Print Flag)</td>
</tr>
<tr>
<td>172</td>
<td>10</td>
<td></td>
<td></td>
<td>Filler space (Miscellaneous)</td>
</tr>
<tr>
<td>182</td>
<td>20</td>
<td>alpha</td>
<td></td>
<td>Customer Account Name</td>
</tr>
<tr>
<td>202</td>
<td>12</td>
<td>alpha</td>
<td>99999999</td>
<td>Customer Account Number</td>
</tr>
<tr>
<td>214</td>
<td>6</td>
<td>numeric</td>
<td>09999999</td>
<td>Zero Left-padded High Usage</td>
</tr>
<tr>
<td>220</td>
<td>6</td>
<td>numeric</td>
<td>09999999</td>
<td>Zero Left-padded Low Usage</td>
</tr>
<tr>
<td>226</td>
<td>1</td>
<td></td>
<td></td>
<td>Space (reserved for Force Flag / Entry Type on Upload from AMR)</td>
</tr>
<tr>
<td>227</td>
<td>6</td>
<td></td>
<td></td>
<td>Filler space (Date Field)</td>
</tr>
<tr>
<td>233</td>
<td>6</td>
<td></td>
<td></td>
<td>Space (reserved for Read Time on Upload from AMR)</td>
</tr>
<tr>
<td>239</td>
<td>1</td>
<td></td>
<td></td>
<td>Filler space (Count Changes)</td>
</tr>
<tr>
<td>240</td>
<td>1</td>
<td>numeric</td>
<td>9</td>
<td>Register (Current Meter Count for multi-meter accounts)</td>
</tr>
<tr>
<td>241</td>
<td>6</td>
<td>numeric</td>
<td>09999999</td>
<td>Zero Left-padded Last Usage value for comparison</td>
</tr>
<tr>
<td>Position</td>
<td>Length</td>
<td>Type</td>
<td>Format Mask</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>--------</td>
<td>-------</td>
<td>-------------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>247</td>
<td>1</td>
<td></td>
<td></td>
<td>Filler space</td>
</tr>
<tr>
<td>248</td>
<td>6</td>
<td>numeric</td>
<td>0999999</td>
<td>Zero Left-padded 2\textsuperscript{nd} to Last Usage value for comparison</td>
</tr>
<tr>
<td>254</td>
<td>1</td>
<td></td>
<td></td>
<td>Filler space</td>
</tr>
<tr>
<td>255</td>
<td>6</td>
<td>numeric</td>
<td>0999999</td>
<td>Zero Left-padded 3\textsuperscript{rd} to Last Usage value for comparison</td>
</tr>
<tr>
<td>261</td>
<td>6</td>
<td>numeric</td>
<td>0999999</td>
<td>Zero Left-padded 13\textsuperscript{th} to Last Usage (previous year’s value for comparison)</td>
</tr>
<tr>
<td>267</td>
<td>8</td>
<td>numeric</td>
<td></td>
<td>Service Number</td>
</tr>
<tr>
<td>275</td>
<td>1</td>
<td>alpha</td>
<td>X</td>
<td>&quot;X&quot; is End-Of-Line character for AMR fixed-length file.</td>
</tr>
</tbody>
</table>
Upload Fixed-Length file from AMR Handheld Device to Utility Billing System (Page 1 of 2)

File Type: Fixed length
File Header: Yes
Record Length: 276 characters / One record per line
File Encoding: UTF-8
EOL Character: <CR><LF>

The Read Date for each route is currently entered by staff on the Utility Billing System when program is run and its value is used to populate the individual account Meter Read.

† These fields are currently read by the Utility Billing System.
* The value is from file returned from AMR System is not read by Utility Billing System but calculated within programming code. See System Analyst for details.

Header Record (Row 1)

<table>
<thead>
<tr>
<th>Position</th>
<th>Length</th>
<th>Type</th>
<th>Format Mask</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>numeric</td>
<td>999</td>
<td>Route or Book Number †</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td></td>
<td></td>
<td>Filler space</td>
</tr>
<tr>
<td>5</td>
<td>4</td>
<td>numeric</td>
<td>9999</td>
<td>Number of Data Records in file (excluding Header Record)—not read by Utility Billing System</td>
</tr>
<tr>
<td>9</td>
<td>1</td>
<td></td>
<td></td>
<td>Filler space</td>
</tr>
<tr>
<td>10</td>
<td>3</td>
<td>alpha</td>
<td></td>
<td>Meter Reader Initials †</td>
</tr>
<tr>
<td>13</td>
<td>262</td>
<td></td>
<td></td>
<td>Filler space</td>
</tr>
<tr>
<td>275</td>
<td>1</td>
<td>alpha</td>
<td>X</td>
<td>&quot;X&quot; is End-Of-Line character for AMR fixed-length file.</td>
</tr>
</tbody>
</table>

Data Records (Rows 2+)

<table>
<thead>
<tr>
<th>Position</th>
<th>Length</th>
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<th>Format Mask</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
<td>numeric</td>
<td>0999</td>
<td>Zero Left-padded Record Number</td>
</tr>
<tr>
<td>5</td>
<td>30</td>
<td>alpha</td>
<td></td>
<td>Service Address</td>
</tr>
<tr>
<td>35</td>
<td>5</td>
<td>alpha</td>
<td>9/9 or 9 or 9-9/9 or 99</td>
<td>Meter Size (possible values are 5/8, 1, 1-1/2, 2, 4, 6, 8, 10)</td>
</tr>
<tr>
<td>40</td>
<td>10</td>
<td>numeric</td>
<td>99999999999</td>
<td>Meter Number</td>
</tr>
<tr>
<td>50</td>
<td>40</td>
<td>alpha</td>
<td></td>
<td>Meter Reader Notes</td>
</tr>
<tr>
<td>90</td>
<td>6</td>
<td>numeric</td>
<td>099999</td>
<td>Consumption (not read by Utility Billing System) *</td>
</tr>
<tr>
<td>96</td>
<td>6</td>
<td>numeric</td>
<td>099999</td>
<td>Zero Left-padded Previous Read</td>
</tr>
<tr>
<td>102</td>
<td>6</td>
<td>numeric</td>
<td>099999</td>
<td>Current Read †</td>
</tr>
<tr>
<td>108</td>
<td>2</td>
<td>numeric</td>
<td>99</td>
<td>Service Code (has 2 dashes if not applicable) †</td>
</tr>
<tr>
<td>110</td>
<td>2</td>
<td>numeric</td>
<td>99</td>
<td>Service Code 2 (has 2 dashes if not applicable) †</td>
</tr>
<tr>
<td>112</td>
<td>40</td>
<td>alpha</td>
<td></td>
<td>Meter Reader Comments †</td>
</tr>
<tr>
<td>152</td>
<td>19</td>
<td></td>
<td></td>
<td>Filler space</td>
</tr>
<tr>
<td>171</td>
<td>1</td>
<td></td>
<td></td>
<td>Filler space</td>
</tr>
<tr>
<td>172</td>
<td>10</td>
<td></td>
<td></td>
<td>Filler space</td>
</tr>
<tr>
<td>182</td>
<td>20</td>
<td>alpha</td>
<td></td>
<td>Customer Account Name</td>
</tr>
<tr>
<td>202</td>
<td>12</td>
<td>alpha</td>
<td>99999999</td>
<td>Customer Account Number †</td>
</tr>
<tr>
<td>214</td>
<td>6</td>
<td>numeric</td>
<td>09999999</td>
<td>Zero Left-padded High Usage</td>
</tr>
<tr>
<td>220</td>
<td>6</td>
<td>numeric</td>
<td>09999999</td>
<td>Zero Left-padded Low Usage</td>
</tr>
<tr>
<td>226</td>
<td>1</td>
<td>alpha</td>
<td>F</td>
<td>Force Flag / Entry Type †</td>
</tr>
<tr>
<td>227</td>
<td>6</td>
<td>numeric</td>
<td></td>
<td>Filler space</td>
</tr>
</tbody>
</table>
### Utility Billing System - AMR Import/Export Data File Layout Specification 2020
Last Updated by CN 07/20/20

<table>
<thead>
<tr>
<th>Position</th>
<th>Length</th>
<th>Type</th>
<th>Format Mask</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>233</td>
<td>6</td>
<td>numeric</td>
<td>HHMMSS</td>
<td>Read Time without delimiters †</td>
</tr>
<tr>
<td>239</td>
<td>1</td>
<td></td>
<td></td>
<td>Filler space</td>
</tr>
<tr>
<td>240</td>
<td>1</td>
<td>numeric</td>
<td>9</td>
<td>Register (Current Meter Count for multi-meter accounts) †</td>
</tr>
<tr>
<td>241</td>
<td>6</td>
<td>numeric</td>
<td>09999999</td>
<td>Zero Left-padded Last Usage</td>
</tr>
<tr>
<td>247</td>
<td>1</td>
<td></td>
<td></td>
<td>Filler space</td>
</tr>
<tr>
<td>248</td>
<td>6</td>
<td>numeric</td>
<td>09999999</td>
<td>Zero Left-padded 2(^{nd}) to Last Usage value for comparison</td>
</tr>
<tr>
<td>254</td>
<td>1</td>
<td></td>
<td></td>
<td>Filler space</td>
</tr>
<tr>
<td>255</td>
<td>6</td>
<td>numeric</td>
<td>09999999</td>
<td>Zero Left-padded 3(^{rd}) to Last Usage value for comparison</td>
</tr>
<tr>
<td>261</td>
<td>6</td>
<td>numeric</td>
<td>09999999</td>
<td>Zero Left-padded 13(^{th}) to Last Usage (previous year value for comparison)</td>
</tr>
<tr>
<td>267</td>
<td>8</td>
<td>numeric</td>
<td></td>
<td>Service Number</td>
</tr>
<tr>
<td>275</td>
<td>1</td>
<td>alpha</td>
<td>X</td>
<td>&quot;X&quot; is End-Of-Line character for AMR fixed-length file.</td>
</tr>
</tbody>
</table>