

```
<?php
// Total tax rate contains State Rate, County Rate and applicable municipal sales tax
rate
// when the location is within a municipal boundary determined by the locator x and y

// Initialize connection variables
// Database host
$dbserver = 'databasehost';
$dbname = "databasename";
$dbuser = "databaseuser";
$dbpass = "databasepass";

// Web host
$webserver = 'http://myhost.com/SSTLookup/';

// ArcGIS Services
$complocator = 'http://gis.arkansas.gov/arcgis/rest/services/Locator
/ASDI_Composite_Locator/GeocodeServer';
$locator1 = 'APF_LOCATOR';
$locator2 = 'ACF_LOCATOR';
$locator3 = 'ZIP9_LOCATOR';
$locator4 = 'ZIP_PLUS_4_LOC';
$boundaries1 = 'http://gis.arkansas.gov/arcgis/rest/services/FEATURESERVICES/Boundarie
/MapServer';

//GeoScore of 92 for best results
//scores less than 92 will return results with mis-matched pre/post directionals or
street types
$geoscore = 92;

// Initialize handling variables
$Ziponly = 0;
$Addonly = 0;
$html = "";
$qry = 0;
$qry = $_GET['qry'];
$poss_results = '';

// Is this data coming from a query string or a form post
if ($qry){
    $iStreet = $_GET['Street'];
    $iCity = $_GET['City'];
    $iZIP = $_GET['ZIP'];
} else {
    $iStreet = $_POST['Street'];
    $iCity = $_POST['City'];
    $iZIP = $_POST['ZIP'];
}

//Database hooks
$connectionInfo = array( "Database"=>$dbname, "UID"=>$dbuser, "PWD"=>$dbpass);
$conn = sqlsrv_connect( $dbserver, $connectionInfo);
```

```
51 if( $conn ) {
52     // Get the Default base rate for the entire state -- Arkansas
53     $sql = "select * from tblSSTP_RATE WHERE JURISDICTION_TYPE = '45'";
54     $stmt = sqlsrv_query( $conn, $sql);
55     $row = sqlsrv_fetch_array( $stmt );
56     $GENRATE = $row['GEN_TAX_RATE_INTRASTATE'] * 100;
57     $GENRATEst = $GENRATE . "%";
58     $FOODRATE = $row['FOODDRUG_TAX_RATE_INTRA'] * 100;
59     $FOODRATEst = $FOODRATE . "%";
60     $MFGRATE = $row['MFG_UTILITY_TAX_RATE'] * 100;
61     $MFGRATEst = $MFGRATE . "%";
62     sqlsrv_free_stmt( $stmt );
63 }else{
64     // $conn variable has no value
65     echo "Connection could not be established.<br />";
66     die( print_r( sqlsrv_errors(), true));
67 }
68
69 // Are we doing Zip Lookup for Rates or via the Address Geocode
70 // First we check that the Zip5 field ,from the form, has a value
71 // If it doesn't, then we move on to the next part of the conditional statement
72
73 // ZIP5 Lookup check
74 if ( $_POST['Zip5'] != '' ){
75     if ( $_POST['Zip4'] == '' ){
76         // we can't have an empty string
77         // Need error code page
78         echo "Error no Zip4";
79         exit(0);
80     }
81
82     // Set the ziponly value for later on in the code to distinguish the output of the
    script as Zip or Address
83     $Ziponly = 1;
84
85     // Pull in the posted values and clean them up
86     $Zip5 = $_POST['Zip5'];
87     $Zip4 = $_POST['Zip4'];
88     $Zip9 = trim($Zip5) . trim($Zip4);
89     // Zip9b used for creating queries that require Zip with dash '-'
90     $Zip9b = trim($Zip5) . '-' . trim($Zip4);
91
92     // Pull the associated Tax rate and jurisdiction codes based on the $Zip9 value
93     $sql = "SELECT DISTINCT tblSSTP_BOUNDARY.CITY_NAME, tblSSTP_BOUNDARY.COUNTY_NAME,
    tblSSTP_RATE.GEN_TAX_RATE_INTRASTATE,
94     tblSSTP_RATE.JURISDICTION_TYPE, tblSSTP_RATE.JURISDICTION_FIPS,
    tblSSTP_RATE.DFA_CODE
95     FROM tblSSTP_BOUNDARY INNER JOIN tblSSTP_RATE ON tblSSTP_RATE.JURISDICTION_FIPS =
    tblSSTP_BOUNDARY.FIPS_COUNTY
96     OR tblSSTP_RATE.JURISDICTION_FIPS = tblSSTP_BOUNDARY.FIPS_PLACE
97     WHERE tblSSTP_BOUNDARY.ZIP_NINE = ' ".$Zip9."' order by
    tblSSTP_RATE.JURISDICTION_TYPE asc";
98
99     $stmt = sqlsrv_query( $conn, $sql);
100     $zcnt = 0;
```

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101 // We should return only one record but we will cycle through the query results
102 while( $row = sqlsrv_fetch_array( $stmt ) ) {
103     $CITY[$zcnt] = $row['CITY_NAME'];
104     $COUNTY[$zcnt] = $row['COUNTY_NAME'];
105     $GENRATE1[$zcnt] = $row['GEN_TAX_RATE_INTRASTATE'] * 100;
106     $GENRATE1st[$zcnt] = $GENRATE1[$zcnt] . "%";
107     $JURTYPE[$zcnt] = $row['JURISDICTION_TYPE'];
108     $JURFIPS[$zcnt] = $row['JURISDICTION_FIPS'];
109     $DFACODE[$zcnt] = $row['DFA_CODE'];
110     $zcnt++;
111 }
112 $zcnt = $zcnt - 1; //remove loops extra count
113 sqlsrv_free_stmt( $stmt );
114
115 // Let JSON and the Locators output our results
116 // Create singleline for ZIP locator
117 $singleline = "ZIP=". urlencode($Zip9b);
118 $url = $complocator . "/findAddressCandidates?Street=&City=&State=&" . $singleline .
"&category=&outFields=*&forStorage=false&f=pjson";
119
120 $response = file_get_contents($url);
121 $candidates = json_decode($response);
122 $cnt = 0;
123 // Only candidate scores of 92 or better accepted
124 // All other scores will be found using the ZIP9_Locator for any Address points not
currently identified by using the APF_Locator
125 // No ACF data in the SQL database to pull ZIP9 for rates so the ACF_Locator won't b
used as a final backup to find addresses
126 foreach($candidates->candidates as $candidate) {
127     if ( $candidate->attributes->Score > $geoscore && $candidate->attributes->Loc_name
== $locator4) {
128         // Initialize these match temp vars
129         $Matches[0] = "";
130         $Matches[1] = "";
131         $Matches[2] = "";
132         $Matches[3] = "";
133         $address[$cnt] = $candidate->address;
134         $x[$cnt] = $candidate->location->x;
135         $y[$cnt] = $candidate->location->y;
136         //Which locator found this match
137         $Loc_name[$cnt] = $candidate->attributes->Loc_name;
138         //If not address match was found, the locator returns possible matches
139         //Lets grab the first four if applicable for outputing later
140         $Match_addr[$cnt] = $candidate->attributes->Match_addr;
141         $Matches = explode(", ", $Match_addr[$cnt]);
142         $Matches1[$cnt] = $Matches[0];
143         $Matches2[$cnt] = $Matches[1];
144         $Matches3[$cnt] = $Matches[2];
145         $Matches4[$cnt] = $Matches[3];
146
147         $City[$cnt] = $candidate->attributes->City;
148         $ZIP[$cnt] = $candidate->attributes->ZIP;
149         //User_fld originally gave other values with Zip lookups but now returns nothing
150         //we set a value as the original code assumed it would return one
151         $User_fld[$cnt] = 777;
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152     $cnt++;
153 }
154 }
155 $cnt=$cnt-1;
156
157 // Locator above returns updates user_fld field to 777 if match found from the
locator.
158 // Lets make sure that we have data to work with
159 if (is_numeric($User_fld[0])){
160     $url2 = $boundaries1 . "/identify?geometry=".$x[0]."%2C+ ".$y[0]."&
geometryType=esriGeometryPoint&sr=26915&layers=visible%3A+8%2C41&layerDefs=&time=&
layerTimeOptions=&tolerance=0&
mapExtent=355223.7187%2C+3652712.3124%2C+798032.9088%2C+4041425.8755&
imageDisplay=600%2C550&returnGeometry=false&maxAllowableOffset=&geometryPrecision=&
dynamicLayers=&returnZ=false&returnM=false&gdbVersion=&f=pjson";
161     $response2 = file_get_contents($url2);
162     $results = json_decode($response2);
163
164     foreach($results->results as $result) {
165         if ($result->attributes->FHWA_Numbe != '') {
166             $CountyFIPS = $result->attributes->FHWA_Numbe;
167         }
168         if ($result->attributes->County_Nam != '') {
169             $CountyName = $result->attributes->County_Nam;
170         }
171         if ($result->attributes->CITY_FIPS != '') {
172             $CityFIPS = $result->attributes->CITY_FIPS;
173         }
174         if ($result->attributes->CITY_NAME != '') {
175             $CityName = $result->attributes->CITY_NAME;
176         }
177     }
178     if (strlen($CountyFIPS)<3){
179         if (strlen($CountyFIPS)<2){
180             $CountyFIPS = "00".$CountyFIPS;
181         } else {
182             $CountyFIPS = "0".$CountyFIPS;
183         }
184     }
185     $sql = "SELECT DISTINCT tblSSTP_RATE.GEN_TAX_RATE_INTRASTATE,
tblSSTP_RATE.JURISDICTION_TYPE,
186     tblSSTP_RATE.JURISDICTION_FIPS, tblSSTP_RATE.DFA_CODE FROM tblSSTP_RATE
187     WHERE tblSSTP_RATE.JURISDICTION_FIPS = '".$CountyFIPS.'"
188     OR tblSSTP_RATE.JURISDICTION_FIPS = '".$CityFIPS.'"
189     order by tblSSTP_RATE.JURISDICTION_TYPE asc";
190
191     $stmt = sqlsrv_query( $conn, $sql);
192     $zcnt = 0;
193     while( $row = sqlsrv_fetch_array( $stmt ) ) {
194         $CITY[$zcnt] = $CityName;
195         $COUNTY[$zcnt] = $CountyName;
196         $GENRATE1[$zcnt] = $row['GEN_TAX_RATE_INTRASTATE'] * 100;
197         $GENRATE1st[$zcnt] = $GENRATE1[$zcnt] . "%";
198         $JURTYPE[$zcnt] = $row['JURISDICTION_TYPE'];
199         $JURFIPS[$zcnt] = $row['JURISDICTION_FIPS'];
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200     $DFACODE[$zcnt] = $row['DFA_CODE'];
201     $zcnt++;
202 }
203 $zcnt = $zcnt - 1;
204 sqlsrv_free_stmt( $stmt );
205 }
206 } else {
207     // Address Lookup if we have No Ziplookup posted input fields
208     // Lets geocode this data then after checking for empty values again
209     if ($iStreet == '' || $iCity == '' || $iZIP == ''){
210         echo "Error. No Address data";
211         exit(0);
212     }
213     // Let JSON and the Locators do all the work
214     $singleline = "SingleLine=". urlencode($iStreet. " " . $iCity. " AR" . " " . $iZIP);
215     $url = $complocator . "/findAddressCandidates?" . $singleline . "&category=&
outFields=*&forStorage=false&f=pjson";
216
217     $response = file_get_contents($url);
218     $candidates = json_decode($response);
219     $cnt = 0;
220
221     // Only candidate scores of 92 or better accepted : Set $geoscore to change that to
another value (not recommended)
222     // All other scores will be found using the ZIP9_Locator for any Address points not
currently identified by using the APF_Locator
223     foreach($candidates->candidates as $candidate) {
224         if ( $candidate->attributes->Score > $geoscore &&
((($candidate->attributes->Loc_name == $locator1) || ($candidate->attributes->Loc_name
== $locator3) || ($candidate->attributes->Loc_name == $locator2))) {
225             $Matches[0] = "";
226             $Matches[1] = "";
227             $Matches[2] = "";
228             $Matches[3] = "";
229             $address[$cnt] = $candidate->address;
230             $x[$cnt] = $candidate->location->x;
231             $y[$cnt] = $candidate->location->y;
232             $Loc_name[$cnt] = $candidate->attributes->Loc_name;
233             $Match_addr[$cnt] = $candidate->attributes->Match_addr;
234             $Matches = explode(",", ", $Match_addr[$cnt]);
235             $Matches1[$cnt] = $Matches[0];
236             $Matches2[$cnt] = $Matches[1];
237             $Matches3[$cnt] = $Matches[2];
238             $Matches4[$cnt] = $Matches[3];
239
240             $City[$cnt] = $candidate->attributes->City;
241             $ZIP[$cnt] = $candidate->attributes->ZIP;
242             //Zip locator returns no value for user_fld so we set one,
243             //otherwise we assign the value returned by the other locators
244             if ( $candidate->attributes->Loc_name == $locator3 ){
245                 $User_fld[$cnt] = 777;
246             } else {
247                 $User_fld[$cnt] = $candidate->attributes->User_fld;
248             }
249             $cnt++;
```

```
250     }
251 }
252 $cnt=$cnt-1;
253
254 if ($User_fld[0] != '' && is_numeric($User_fld[0])){
255     $url2 = $boundaries1 . "/identify?geometry=".$x[0]."%2C+".$y[0]."&
geometryType=esriGeometryPoint&sr=26915&layers=visible%3A+8%2C41&layerDefs=&time=&
layerTimeOptions=&tolerance=0&
mapExtent=355223.7187%2C+3652712.3124%2C+798032.9088%2C+4041425.8755&
imageDisplay=600%2C550&returnGeometry=false&maxAllowableOffset=&geometryPrecision=&
dynamicLayers=&returnZ=false&returnM=false&gdbVersion=&f=pjson";
256     $response2 = file_get_contents($url2);
257     $results = json_decode($response2);
258
259     foreach($results->results as $result) {
260         if ($result->attributes->FHWA_Numbe != '') {
261             $CountyFIPS = $result->attributes->FHWA_Numbe;
262         }
263         if ($result->attributes->County_Nam != '') {
264             $CountyName = $result->attributes->County_Nam;
265         }
266         if ($result->attributes->CITY_FIPS != '') {
267             $CityFIPS = $result->attributes->CITY_FIPS;
268         }
269         if ($result->attributes->CITY_NAME != '') {
270             $CityName = $result->attributes->CITY_NAME;
271         }
272     }
273     if (strlen($CountyFIPS)<3){
274         if (strlen($CountyFIPS)<2){
275             $CountyFIPS = "00".$CountyFIPS;
276         } else {
277             $CountyFIPS = "0".$CountyFIPS;
278         }
279     }
280
281     $sql = "SELECT DISTINCT tblSSTP_RATE.GEN_TAX_RATE_INTRASTATE,
tblSSTP_RATE.JURISDICTION_TYPE, tblSSTP_RATE.JURISDICTION_FIPS, tblSSTP_RATE.DFA_CODE
FROM tblSSTP_RATE WHERE tblSSTP_RATE.JURISDICTION_FIPS = '". $CountyFIPS.'" OR
tblSSTP_RATE.JURISDICTION_FIPS = '". $CityFIPS.'" order by
tblSSTP_RATE.JURISDICTION_TYPE asc";
282
283     $stmt = sqlsrv_query( $conn, $sql);
284     $zcnt = 0;
285     while( $row = sqlsrv_fetch_array( $stmt ) ) {
286         $CITY[$zcnt] = $CityName;
287         $COUNTY[$zcnt] = $CountyName;
288         $GENRATE1[$zcnt] = $row['GEN_TAX_RATE_INTRASTATE'] * 100;
289         $GENRATE1st[$zcnt] = $GENRATE1[$zcnt] . "%";
290         $JURTYPE[$zcnt] = $row['JURISDICTION_TYPE'];
291         $JURFIPS[$zcnt] = $row['JURISDICTION_FIPS'];
292         $DFACODE[$zcnt] = $row['DFA_CODE'];
293         $zcnt++;
294     }
295     $zcnt = $zcnt - 1;
```

```
296     sqlsrv_free_stmt( $stmt );
297 }
298 }
299 // OUTPUT HEADER
300 ?>
301 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org
/TR/xhtml1/DTD/xhtml1-transitional.dtd">
302 <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
303 <head>
304     <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
305     <title>Sales and Use Tax Section Local Tax Lookup Tools</title>
306 </head>
307
308 <body topmargin="0" leftmargin="0" bottommargin="0">
309 <?php
310 // Zip Lookup Results
311 if ($Ziponly) {
312     $html .= "<table>
313         <tr>
314             <td></td>
315             <td align='left' style='font-weight:bold;'>
316                 <br /><br />
317                 <font color='#333399' size='4' face='Arial, Helvetica, sans-
serif'><em><u>Excise Taxes By Address</u></em></font>
318                 <br /><br />
319             </td>
320         </tr><tr>
321             <td>
322             </td>
323             <td></td>
324         </tr><tr>
325             <td></td>
326             <td>
327                 <br />
328             </td>
329         </tr><tr>
330             <td></td>
331             <td align='left'>
332                 <table cellpadding='0' cellspacing='0' rules='rows' style='border-width:1px;
border-style:Inset;width:250px;border-collapse:collapse;'>
333                     <tr>
334                         <td style='background-color:#E7F3FF;font-weight:bold;'>Found County and
City</td>
335                     </tr><tr align='left'>
336                         <td style='font-weight:bold;'>County: ".$COUNTY[0]."</td>
337                     </tr><tr align='left'>
338                         <td style='font-weight:bold;'>City: ".$CITY[0]."</td>
339                     </tr>
340                 </table>
341                 <br />
342             </td>
343         </tr><tr>
344             <td></td>
345             <td align='left'>
346                 <table cellpadding='0' cellspacing='0' rules='all' style='border-width:1px;
```



```

border-style:Inset;border-collapse:collapse;')
347     <tr align='center' style='background-color:#E7F3FF;font-weight:bold;'>
348         <td style='width:183px;'>Tax Entity</td>
349         <td style='width:84px;'>Name</td>
350         <td style='width:46px;'>FIPS</td>
351         <td style='width:57px;'>DFA Code</td>
352         <td style='width:52px;'>Rate</td>
353         <td style='width:52px;'>Reduced Food Rate</td>
354         <td style='width:50px;'>Mfg Utility Rate</td>
355     </tr><tr style='height:31px;'>
356         <td>State</td><td align='center'>Arkansas</td>
357         <td align='center'>05</td>
358         <td align='center'></td>
359         <td align='center'>".$GENRATEst."</td>
360         <td align='center'>".$FOODRATEst."</td>
361         <td align='center'>".$MFGRATEst."</td>
362     </tr><tr style='height:30px;'>
363         <td>County</td>
364         <td align='center'>".$COUNTY[0]."</td>
365         <td align='center'>".$JURFIPS[0]."</td>
366         <td align='center'>".$DFACODE[0]."</td>
367         <td align='center'>".$GENRATE1st[0]."</td>
368         <td align='center'>".$GENRATE1st[0]."</td>
369         <td align='center'>".$GENRATE1st[0]."</td>
370     </tr><tr style='height:30px;'>
371         <td>City</td>
372         <td align='center'>".$CITY[1]."</td>
373         <td align='center'>".$JURFIPS[1]."</td>
374         <td align='center'>".$DFACODE[1]."</td>
375         <td align='center'>".$GENRATE1st[1]."</td>
376         <td align='center'>".$GENRATE1st[1]."</td>
377         <td align='center'>".$GENRATE1st[1]."</td>
378     </tr><tr style='height:30px;'>
379         <td></td>
380         <td></td>
381         <td></td>
382         <td align='center' style='font-weight:bold;'>Total:</td>
383         <td align='center' style='background-color:#E7F3FF;font-weight:bold;
'>".($GENRATE + $GENRATE1[0] + $GENRATE1[1])."%</td>
384         <td align='center' style='background-color:#E7F3FF;font-weight:bold;
'>".($FOODRATE + $GENRATE1[0] + $GENRATE1[1])."%</td>
385         <td align='center' style='background-color:#E7F3FF;font-weight:bold;
'>".($MFGRATE + $GENRATE1[0] + $GENRATE1[1])."%</td>
386     </tr>
387 </table><!-- tax table -->
388         <br />
389     </td>
390 </tr>
391 </table>";
392 // Log results to the database for historical debugging
393 $sql3 = "INSERT INTO tblSSTP__LookupLog (DateCreated ,Street ,City ,Zip ,Zip5 ,Zip4
,Results ,fCounty ,fCity ,iStreet ,iCity ,iZIP ,oStreet ,oCity ,oZIP ,StateRate
,StateRFR ,StateMUR ,DFACode ,CountyFIPS ,CountyRate ,CountyRFR ,CountyMUR ,CityFIPS
,CityDFACode ,CityRate ,CityRFR ,CityMUR ,TotalRate ,TotatRFR ,TotalMUR)
394 VALUES (GETDATE(), '', '', '', ''.$Zip5.'', ''.$Zip4.'', 'Zip Lookup',

```


(Change Input Add.)

```
441         </tr><tr align='left'>
442             <td colspan='2'>".$iStreet."</td>
443         </tr><tr align='left'>
444             <td colspan='2'>".$iCity.", ".$iZIP."</td>
445         </tr>
446     </table>
447         <br />
448     </td><td align='left'>
449         <table cellspacing='0' cellpadding='0' rules='rows' style='border-
width:1px;border-style:Inset;height:65px;width:300px;border-collapse:collapse;'>
450             <tr style='background-color:#E7F3FF;'>
451                 <td style='font-weight:bold;'>Output Tax Jurisdiction Address </td>
452             </tr><tr>
453                 <td>".$Matches1[0]."</td>
454             </tr><tr>
455                 <td>".$Matches2[0].", ".$OutZip."</td>
456             </tr>
457         </table>
458             <br />
459         </td>
460     </tr>
461 </table>
462 </td>
463 </tr><tr>
464     <td></td>
465     <td>
466         <br />
467     </td>
468 </tr><tr>
469     <td></td>
470     <td align='left'>
471         <table cellspacing='0' cellpadding='0' rules='rows' style='border-width:1px;
border-style:Inset;width:250px;border-collapse:collapse;'>
472             <tr>
473                 <td style='background-color:#E7F3FF;font-weight:bold;'>Found County and
City</td>
474             </tr><tr align='left'>
475                 <td style='font-weight:bold;'>County: ".$COUNTY[0]."</td>
476             </tr><tr align='left'>
477                 <td style='font-weight:bold;'>City: ".$CITY[0]."</td>
478             </tr>
479         </table>
480             <br />
481     </td>
482 </tr><tr>
483     <td></td>
484     <td align='left'>
485         <table cellspacing='0' cellpadding='0' rules='all' style='border-width:1px;
border-style:Inset;border-collapse:collapse;'>
486             <tr align='center' style='background-color:#E7F3FF;font-weight:bold;'>
487                 <td style='width:183px;'>Tax Entity</td>
488                 <td style='width:84px;'>Name</td>
489                 <td style='width:46px;'>FIPS</td>
490                 <td style='width:57px;'>DFA Code</td>
491                 <td style='width:52px;'>Rate</td>
```

```
492         <td style='width:52px;'>Reduced Food Rate</td>
493         <td style='width:50px;'>Mfg Utility Rate</td>
494     </tr><tr style='height:31px;'>
495         <td>State</td><td id='TableCell120' align='center'>Arkansas</td>
496         <td align='center'>05</td>
497         <td align='center'></td>
498         <td align='center'>".$GENRATEst."</td>
499         <td align='center'>".$FOODRATEst."</td>
500         <td align='center'>".$MFGRATEst."</td>
501     </tr><tr style='height:30px;'>
502         <td>County</td>
503         <td align='center'>".$COUNTY[0]."</td>
504         <td align='center'>".$JURFIPS[0]."</td>
505         <td align='center'>".$DFACODE[0]."</td>
506         <td align='center'>".$GENRATE1st[0]."</td>
507         <td align='center'>".$GENRATE1st[0]."</td>
508         <td align='center'>".$GENRATE1st[0]."</td>
509     </tr><tr style='height:30px;'>
510         <td>City</td>
511         <td align='center'>".$CITY[1]."</td>
512         <td align='center'>".$JURFIPS[1]."</td>
513         <td align='center'>".$DFACODE[1]."</td>
514         <td align='center'>".$GENRATE1st[1]."</td>
515         <td align='center'>".$GENRATE1st[1]."</td>
516         <td align='center'>".$GENRATE1st[1]."</td>
517     </tr><tr style='height:30px;'>
518         <td></td>
519         <td></td>
520         <td></td>
521         <td align='center' style='font-weight:bold;'>Total:</td>
522         <td align='center' style='background-color:#E7F3FF;font-weight:bold;
'>".($GENRATE + $GENRATE1[0] + $GENRATE1[1])."%</td>
523         <td align='center' style='background-color:#E7F3FF;font-weight:bold;
'>".($FOODRATE + $GENRATE1[0] + $GENRATE1[1])."%</td>
524         <td align='center' style='background-color:#E7F3FF;font-weight:bold;
'>".($MFGRATE + $GENRATE1[0] + $GENRATE1[1])."%</td>
525     </tr>
526 </table><!-- tax table -->
527         <br />
528     </td>
529 </tr>
530 </table>";
531 // Log results to the database for historical debugging
532 $sql3 = "INSERT INTO tblSSTP__LookupLog (DateCreated ,Street ,City ,Zip ,Zip5 ,Zip4
,Results ,fCounty ,fCity ,iStreet ,iCity ,iZIP ,oStreet ,oCity ,oZIP ,StateRate
,StateRFR ,StateMUR ,DFACode ,CountyFIPS ,CountyRate ,CountyRFR ,CountyMUR ,CityFIPS
,CityDFACode ,CityRate ,CityRFR ,CityMUR ,TotalRate ,TotatRFR ,TotalMUR)
533 VALUES (GETDATE(), '". $iStreet."', '". $iCity."', '". $iZIP."', '', '', 'Address Looku
Locator Used:'. $Loc_name[0]."', '". $COUNTY[0]."', '". $CITY[0]."', '". $iStreet."',
'". $iCity."', '". $iZIP."', '". $Matches1[0]."', '". $Matches2[0]."', '". $OutZip."',
'". $GENRATEst."', '". $FOODRATEst."', '". $MFGRATEst."', '". $DFACODE[0]."',
'". $JURFIPS[0]."', '". $GENRATE1st[0]."', '". $GENRATE1st[0]."', '". $GENRATE1st[0]."',
'". $JURFIPS[1]."', '". $DFACODE[1]."', '". $GENRATE1st[1]."', '". $GENRATE1st[1]."',
'". $GENRATE1st[1]."', '". ($GENRATE + $GENRATE1[0] + $GENRATE1[1])."', '". ($FOODRATE +
$GENRATE1[0] + $GENRATE1[1])."', '". ($MFGRATE + $GENRATE1[0] + $GENRATE1[1])."');";
```

```
534
535 $stmt3 = sqlsrv_query( $conn, $sql3);
536 if( $stmt3 === false ) {
537     die( print_r( sqlsrv_errors(), true));
538 }
539 sqlsrv_free_stmt( $stmt3 );
540 }
541
542 // Address wasn't found or we have multiple inputs with bad data
543 // Lets output the matches we did find and give the user the option to correct their
    input
544 // or pick an address tha more closely matches their search
545 if ((!$Ziponly) && (!$Addonly)){
546     $response = file_get_contents($url);
547     $candidates = json_decode($response);
548     $cnt = 0;
549     foreach($candidates->candidates as $candidate) {
550         // We only oupt the what these three locators found
551         if ( $candidate->attributes->Loc_name == $locator1 ||
            $candidate->attributes->Loc_name == $locator3 || $candidate->attributes->Loc_name ==
            $locator2 ) {
552             $Matches[0] = "";
553             $Matches[1] = "";
554             $Matches[2] = "";
555             $Matches[3] = "";
556             $address[$cnt] = $candidate->address;
557             list($address1[$cnt], $city1[$cnt], $state1[$cnt], $zip1[$cnt]) =
    explode(",", $address[$cnt]);
558             $x[$cnt] = $candidate->location->x;
559             $y[$cnt] = $candidate->location->y;
560             $Loc_name[$cnt] = $candidate->attributes->Loc_name;
561             $Match_addr[$cnt] = $candidate->attributes->Match_addr;
562             $Matches = explode(" ", $Match_addr[$cnt]);
563             $Matches1[$cnt] = $Matches[0];
564             $Matches2[$cnt] = $Matches[1];
565             $Matches3[$cnt] = $Matches[2];
566             $Matches4[$cnt] = $Matches[3];
567             $PreDir[$cnt] = $candidate->attributes->PreDir;
568             $PreType[$cnt] = $candidate->attributes->PreType;
569             $StreetName[$cnt] = $candidate->attributes->StreetName;
570             $SufType[$cnt] = $candidate->attributes->SufType;
571             $SufDir[$cnt] = $candidate->attributes->SufDir;
572             $City[$cnt] = $candidate->attributes->City;
573             $ZIP[$cnt] = $candidate->attributes->ZIP;
574             $User_fld[$cnt] = $candidate->attributes->User_fld;
575             $FromAddr[$cnt] = $candidate->attributes->FromAddr;
576             $ToAddr[$cnt] = $candidate->attributes->ToAddr;
577             $cnt++;
578         }
579     }
580     $cnt=$cnt-1;
581     // We limit the number of alternate matches to the top nine
582     // even though more may have been found
583     if ($cnt > 9){
584         $cnt = 9;
```

```

585 }
586 // if address[0] has no value then we found nothing
587 // let the user know and stop here
588 if ($address[0] == ''){
589     $html .= "                                <table>
590 <tr>
591     <td></td><td>
592                                     <br />
593                                     </td>
594 </tr><tr align='center'>
595     <td></td><td>
596                                     <center><strong><em><u>The location was not found!
597                                     Please verify that the information was entered correctly. <a
598 href='javascript: history.go(-1)'>Click here to go back.</a> <br />
599                                     <br />";
600 } else {
601     $html .= "                                <table>
602 <tr>
603     <td></td><td>
604                                     <br />
605                                     </td>
606 </tr><tr align='center'>
607     <td></td><td>
608                                     <center><strong><em><u>The exact location was not
609 found. Here is a list of possible matches.</u></em></strong><br /><br /></center><br /
610                                     Please select a candidate below or <a href='javascript:
611 history.go(-1)'>click here to go back and reenter the address.</a> <br />
612                                     <br />";
613     for ($i=0;$i<=$cnt;$i++) {
614         $poss_results .= $address1[$i].",".$city1[$i].",".$zip1[$i].",";
615         $address1[$i] = urlencode($address1[$i]);
616         $city1[$i] = urlencode($city1[$i]);
617         $zip1[$i] = urlencode($zip1[$i]);
618         $html .= "<a href='". $webserver. "Results.php?qry=1&Street='". $address1[$i]. "&
619 City='". $city1[$i]. "&ZIP='". $zip1[$i]. "'>". $address[$i]. "</a><br />";
620     }
621 }
622 $html .= "</td>
623 </tr>
624 </table><!-- page table -->";
625 // Log results to the database for historical debugging
626 $sql3 = "INSERT INTO tblSSTP__LookupLog (DateCreated ,Street ,City ,Zip ,Zip5 ,Zip4
627 ,Results ,fCounty ,fCity ,iStreet ,iCity ,iZIP ,oStreet ,oCity ,oZIP ,StateRate
628 ,StateRFR ,StateMUR ,DFACode ,CountyFIPS ,CountyRate ,CountyRFR ,CountyMUR ,CityFIPS
629 ,CityDFACode ,CityRate ,CityRFR ,CityMUR ,TotalRate ,TotatRFR ,TotalMUR,
630 PossibleMatches)
631 VALUES (GETDATE(), '". $iStreet. "', '". $iCity. "', '". $iZIP. "', '". $Zip5. "',
632 '". $Zip4. "', 'Location not found', '', '', '". $iStreet. "', '". $iCity. "', '". $iZIP. "',
633 '". $address1[0]. "', '". $city1[0]. "', '". $zip1[0]. "', '', '', '', '', '', '', '',
634 '', '', '', '', '', '', '', '', '". $poss_results. "')";
635
636 $stmt3 = sqlsrv_query( $conn, $sql3);
637 if( $stmt3 === false ) {
638     die( print_r( sqlsrv_errors(), true));

```

```
628     }
629     sqlsrv_free_stmt( $stmt3 );
630 }
631 // depending on the values returned. we built the html output on the fly. Lets output
    that now
632 echo $html;
633
634 //footer
635 ?>
636 <br/>
637 </body>
638 </html>
639
```

