**美国各州定时Post脚本v1.0**

需求描述：

* 每天的 PST 8:00AM 执行一次（今后有可能需要在 PST 20:00PM再执行一次）
* 每个州依次从样本中随机取出20条数据
  + State
  + Zip
  + Utility Provider
* 每条数据依次去post多个接口并记录下得到的价格（如果没有返回价格参数，则为0）
  + Post1
    - https://lm.hilprod.com/lead/ping
    - 参数
      * SRC=Aff8006
      * Key=h3akb6cVE6TNE6v3E6r
      * Project=Solar Electrical
      * Return\_Best\_Price=1
      * tcpa=Yes
      * Landing\_Page=http://national-solar-rebate.com
      * Motivation=$151-200
      * Sub\_ID=【随机5位数字】
      * leadToken=【随机生成这样的格式：B6680FCB-6EA2-BF32-F0EA-042C5C46333A】
      * Zip=【Zip】
      * Utility\_Provider=【Utility Provider】
    - 价格结果参数price
      * Success Response:Matched
      * Response Type:XML
      * XML Path Ping Price:response,price
  + Post2
    - https://api.leadgenesis.info/v2/leads/ping
    - 参数
      * camp\_id=3756
      * camp\_key=f8CUBG9gPwU
      * homeowner=YES
      * roof\_shade=A Little Shade
      * electric\_bill\_monthly=$151-200
      * zip\_code=【Zip】
      * electric\_provider=【Utility Provider】
    - 价格结果参数price
      * Success Response:success
      * Response Type:XML
      * XML Path Ping Price:result,price
  + Post3
    - https://leads.gotitguy.com/new\_api/api.php
    - 参数
      * Key=V53927FKsIFcU0F9Z7Uvs7rDsTOSZ5lvsTp9Z7owWwlKswJS2HWSdEO
      * API\_Action=pingPostLead
      * Mode=ping
      * Return\_Best\_Price=1
      * TYPE=47
      * SRC=ToLocal\_Solar
      * Pub\_ID=1070
      * Landing\_Page=http://national-solar-rebate.com
      * st\_t=st\_t
      * Home\_Shaded=Mostly Sunny
      * Homeowner=Yes
      * Electric\_Bill=$150 - $200
      * UNIVERSAL\_LEAD\_ID=【随机生成这样的格式：B6680FCB-6EA2-BF32-F0EA-042C5C46333A】
      * State=【State】
      * Zip=【Zip】
      * Electricity\_Company\_1=【Utility Provider】
    - 价格结果参数price
      * Success Response:Success
      * Response Type:XML
      * XML Path Ping Price:response,price
  + Post4
    - https://www.reallygreatrate.com/api/ping/index.php
    - 参数
      * api\_key=e41eb329b2f84f1c72ce02bb359616a2
      * publisher\_id=984
      * rcid=5330
      * field\_3=Yes
      * field\_4=200
      * field\_13=【随机生成这样的格式：B6680FCB-6EA2-BF32-F0EA-042C5C46333A】
      * state=【State】
      * zip=【Zip】
      * field\_2=【Utility Provider】
    - 价格结果参数price
      * Success Response:success
      * Response Type:String
      * Search for Price in Ping String response:[0-9]+\.[0-9]{2}
* 统计出每个州的最高价和平均价，生成统一数据发送email到keater@gmail.com
  + 每行的内容格式：State，最高价XXX，平均价XXX
  + 按平均价高低排序
* 每个州数据和前一次对应州的平均价格进行对比，所有变化幅度超过正负50%的州列出来发送email到keater@gmail.com
  + 每行的内容格式：State，变化幅度XXX%，上次最高价XXX,上次平均价XXX，本次最高价XXX，本次平均价XXX

其他说明：

1，不同接口的post结果可以都发过来确认看下没有问题。

接口返回信息：

**Post1** **Response：**

**Response Matched Example:**

<?xml version="1.0" encoding="UTF-8"?>

<response>

<status>Matched</status>

<lead\_id>874</lead\_id>

<price>25</price>

</response>

**Response Unmatched Example:**

<?xml version="1.0" encoding="UTF-8"?>

<response>

<status>Unmatched</status>

<lead\_id>874</lead\_id>

</response>

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Note** |
| **status** | Result of the action |  |
| **lead\_id** | ID number of successfully submitted lead | Returned on success |
| **price** | The best price at which a lead can be accepted. | Returned on success and only if **Return\_Best\_Price** was submitted in "ping" |

**Response - error:**

<?xml version="1.0" encoding="UTF-8"?>

<response>

<status>error</status>

<error>Required value First\_Name is missing</error>

</response>

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Note** |
| **status** | Result of the action |  |
| **error** | Error message | Returned on error |

**Post2** **Response：**

Response

Once a ping is submitted, your page will receive an XML response.

Successful (example)

<result>

<code>0</code>

<msg>success</msg>

<pingid>00cbf9c084b60773d038a0b9c86cdb27</pingid>

<price>45.50</price>

<expires>1463159216</expires>

</result>

Error / Rejection (example)

<result>

<code>1</code>

<msg>error</msg>

<errors>

<error>descriptive error message goes here</error>

</errors>

</result>

**Post3** **Response：**

Response Matched Example

*XML*

<?xml version="1.0" encoding="UTF-8"?>

<response>

<status>Matched</status>

<lead\_id>874</lead\_id>

<price>25</price>

</response>

**Response Unmatched Example**

*XML*

<?xml version="1.0" encoding="UTF-8"?>

<response>

<status>Unmatched</status>

<lead\_id>874</lead\_id>

</response>

**Response - error**

*XML*

<?xml version="1.0" encoding="UTF-8"?>

<response>

<status>Error</status>

<error>Required value First\_Name is missing</error>

</response>

**Post4** **Response：**

#### **Successful Response**

The format of a **successful** ping will be:

{

"status": "success",

"ping\_id": 12345678,

"price": 50,

"expires": 1500685817

}

*The* ***expires*** *field shows a timestamp of when the ping offer expires in the form of a Unix timestamp in PST. It can be converted to a human readable format using this tool:* [*Epoch Converter*](https://www.epochconverter.com/)*. Posting after the designated expiration will result in a failed post.*

#### **Failed Response**

The format of a **rejected** ping will be:

{

"status": "failed",

"errors": ["Failed Reason #1","Failed Reason #2", "Failed Reason #3"]

}