

# Tetraop Solar Lead Submission Guide

## Ping

A ping must be submitted using JSON format over HTTP-POST method. Notice that all required fields must be present and data must be a valid format in order to be accepted. Ping request consists of two sections “header” and “data”. Each attribute shall be placed in the appropriate section as defined below.

Attribute	Required	Example	Description
<b>HEADER</b>			
key	yes	ask2@sj2Fab2H2s	Provided by Tetraop
lead_id	yes	328	Unique numeric Tetraop’s lead id
channel	yes	Content Marketing	Lead generation channel. Must be one of the following 18 values must be submitted: <ul style="list-style-type: none"> <li>• Unidentified</li> <li>• Affiliate</li> <li>• Aggregator</li> <li>• Call Center</li> <li>• Call Verified</li> <li>• Content Marketing</li> <li>• Contextual</li> <li>• Display</li> <li>• Email Campaign</li> <li>• Email Newsletter</li> <li>• Mobile Display</li> <li>• Owned &amp; Operated</li> <li>• Print</li> <li>• Radio</li> <li>• SEM</li> <li>• SEO</li> <li>• Social Media</li> <li>• Telemarketing</li> <li>• TV</li> </ul>
source	yes	3847ABC or A34_aSk7	Lead source.
sub_source	no	Hs29s	Lead sub source.
retry	no	true	If needed to retry pinging the same lead again, sent retry set to “true” to avoid being stopped as a duplicate ping.
<b>DATA</b>			
created	yes	2015-10-01 14:05:34-08:00	Lead creation date. Format: YYYY-MM-DD hh:mm:ssZ

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ip	yes	182.290.32.121	IP address where lead was generated
universal_lead_id	no	1728-xslw-2134-oaw	A lead id from LeadID.com
phone_type	yes	mobile	Phone type. Must be one of the following 3 values: <ul style="list-style-type: none"> <li>• mobile</li> <li>• land</li> <li>• office</li> </ul>
city	no	Los Angeles	City name
state	no	CA	State
zip	yes	90001	Zip code
details	no	project details	Project details, notes, comments, etc.
tcpa	yes	true	TCPA compliance accepted or rejected
tcpa_text	yes	the actual text	TCPA text as it was presented to the visitor.
hire_status	yes	ready to hire	Project hiring status. Must be one of the following 3 values: <ul style="list-style-type: none"> <li>• ready to hire</li> <li>• planning &amp; budgeting</li> <li>• quote request</li> </ul>
contact_time	yes	any time	Best contact time. Must be one of the following 4 values: <ul style="list-style-type: none"> <li>• any time</li> <li>• morning</li> <li>• afternoon</li> <li>• evening</li> </ul>
homeowner	yes	true	Is this person a homeowner. Must be true or false
user_agent	yes	Mozilla Firefox	User agent of the user's browser.
utility_provider	no	Avista Utilities	Utility provider company. Must be one of the listed values: <ul style="list-style-type: none"> <li>• Not Listed</li> <li>• AECO (Alabama Electric Company)</li> <li>• Alabama Power</li> <li>• Alameda Municipal Power</li> <li>• Alaska Villages Electric Cooperative</li> <li>• Allegheny Power</li> <li>• Alliant Energy</li> <li>• Ambit Energy</li> <li>• Ameren</li> <li>• American Electric Power</li> <li>• Amigo Energy</li> <li>• Anaheim Public Utilities</li> <li>• Appalachian Power</li> </ul>

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|  |  |  | <ul style="list-style-type: none"><li>● Arizona Public Service</li><li>● Ashland Electric</li><li>● Atlantic City Electric</li><li>● Austin Energy</li><li>● Avista Utilities</li><li>● Azusa Light &amp; Water</li><li>● Baltimore Gas &amp; Electric</li><li>● Bangor Hydro Electric</li><li>● Basin Electric Power Cooperative</li><li>● Batavia Municipal Electric</li><li>● Bear Valley Electric</li><li>● Beaugard Electric CO-OP</li><li>● Benton PUD</li><li>● Berea Municipal Utilities</li><li>● Berkeley Electric Cooperative</li><li>● Berkshire Company</li><li>● Big Rivers Electric Corporation</li><li>● Black Hills Energy</li><li>● Black Hills Power</li><li>● Blue Grass Energy</li><li>● Blue Ridge Electrical Membership Corp.</li><li>● Borough of Ellwood City</li><li>● Bounce Energy</li><li>● Braintree Electric Light Department</li><li>● Brigham City Public Power</li><li>● Brunswick EMC</li><li>● Bryan Texas Utilities</li><li>● Burbank Water &amp; Power</li><li>● Caddo Electric Cooperative</li><li>● California Public Utilities Commission</li><li>● Calpine</li><li>● Canby Electric</li><li>● Carteret-Craven Electric Cooperative</li><li>● CenterPoint Energy</li><li>● Central Electric Power Cooperative</li><li>● Central Hudson Gas &amp; Electric</li><li>● Central Maine Power</li><li>● Central Montana Electric Power Cooperative</li><li>● Central Power Electric Cooperative</li><li>● Central Vermont Public Service</li><li>● CH Energy Group</li><li>● Champion Energy Services</li><li>● Chariton Valley Electric Cooperative</li></ul> |
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|  |  |  | <ul style="list-style-type: none"><li>● Chelan County Public Utility District</li><li>● Cherokee Electric Cooperative</li><li>● Cheyenne Light Fuel &amp; Power</li><li>● Choptank Electric Cooperative</li><li>● Chugach Electric Association</li><li>● Cincinnati Bell Energy</li><li>● Cirro Energy</li><li>● Citizens Choice Energy Jamestown BPU</li><li>● Citizens Electric of Lewisburg</li><li>● Citizens Utilities Board</li><li>● City &amp; County of San Francisco</li><li>● City of Dover Electric Department</li><li>● City of Milford Electric Department</li><li>● City of Palo Alto Utilities</li><li>● City of Rock Hill</li><li>● City of Safford Electric Department</li><li>● City of Tallahassee Utilities</li><li>● City of Vero Beach</li><li>● City Utilities of Springfield</li><li>● Claverack REC</li><li>● Clay Electric Co-op</li><li>● Clearwater Power</li><li>● CLECO</li><li>● Cleveland Electric Illuminating Company</li><li>● Coast Electric</li><li>● College Station Utilities</li><li>● Colorado Springs Utilities</li><li>● Colton Public Utilities Glendale Public Service Department</li><li>● Columbia REA</li><li>● Columbia River Public Utility District</li><li>● ComEd Electric Company</li><li>● Connecticut Light &amp; Power</li><li>● Connecticut Natural Gas</li><li>● Consolidated Edison Company of New York (Con Edison)</li><li>● Consolidated Electric Cooperative</li><li>● Consumers Energy</li><li>● Copper Valley Electric Association</li><li>● Coserv Electric</li><li>● Coweta Fayette EMC</li><li>● CPS Energy</li><li>● Dairyland Power Co-op</li></ul> |
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|  |  |  | <ul style="list-style-type: none"><li>● Danville Utilities</li><li>● Dayton Power &amp; Light</li><li>● Delaware Electric Cooperative</li><li>● Delmarva Power</li><li>● DEMCO</li><li>● Denton Municipal Electric</li><li>● Direct Energy</li><li>● Dominion Virginia Power</li><li>● Douglas County Public Utility District</li><li>● dPi Energy</li><li>● DTE Energy (Detroit Edison)</li><li>● Duke Energy</li><li>● Duke Energy Indiana</li><li>● Duke Energy Kentucky</li><li>● Duke Energy NC</li><li>● Duke Energy Ohio</li><li>● Duke Energy SC</li><li>● Duncan Valley Electric Cooperative</li><li>● Duquesne Light</li><li>● East River Electric Cooperative</li><li>● East River Electric Power Co-op</li><li>● Eau Claire Energy Cooperative</li><li>● El Paso Electric</li><li>● Electric Database Publishing</li><li>● Electric Power Board</li><li>● Electrical District No. 2</li><li>● ElectriCities</li><li>● Emerald PUD</li><li>● Empire District Electric Company</li><li>● Entergy</li><li>● Entrust Energy</li><li>● Eugene Water &amp; Electric Board</li><li>● Everything Energy</li><li>● Excel Energy</li><li>● Farmers Electrical Cooperative</li><li>● Farmington Electric Utility System</li><li>● First Electric Cooperative</li><li>● First Texas Energy Corporation</li><li>● FirstEnergy</li><li>● Fleming-Mason Energy Cooperative</li><li>● Flint Energies</li><li>● Florida Municipal Power Agency</li><li>● Florida Power &amp; Light</li></ul> |
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|  |  |  | <ul style="list-style-type: none"><li>● Florida Public Utility Company Palm Beach</li><li>● Gainesville Regional Utilities</li><li>● Garland Power and Light</li><li>● Georgetown Utility Services (GUS)</li><li>● Georgia EMC</li><li>● Georgia Power</li><li>● Gexa Energy</li><li>● Golden Valley Electric Association</li><li>● Granite State Electric</li><li>● Grant County Public Utility District</li><li>● Great River Energy</li><li>● Green Island Power Authority</li><li>● Green Mountain Energy</li><li>● Green Mountain Power</li><li>● Gridley Municipal Utilities</li><li>● Guadalupe Valley Electric Cooperative</li><li>● Gulf Power</li><li>● GVEC</li><li>● Halifax Electric Membership</li><li>● Hawaiian Electric Company (HECO)</li><li>● Hawaiian Electric Industries</li><li>● Healdsburg Municipal Electric Department</li><li>● Henderson Municipal Power and Light</li><li>● High Plains Power</li><li>● High West Energy</li><li>● Highline Electric Association</li><li>● Holden Municipal Light Department</li><li>● Holland Board of Public Works</li><li>● Holy Cross Energy Company</li><li>● Howard Electric Cooperative</li><li>● Hutchinson Utilities Commission</li><li>● Hyrum City Power &amp; Light</li><li>● IDACORP</li><li>● Idaho Power</li><li>● Imperial Irrigation District</li><li>● Independence Power and Light</li><li>● Indianapolis Power &amp; Light</li><li>● Intermountain Power Agency</li><li>● Intermountain Rural Electric Association</li><li>● International Electric Power (IEP)</li><li>● Interstate Power and Light Company</li><li>● ITC Midwest</li><li>● Jackson</li></ul> |
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|  |  |  | <ul style="list-style-type: none"><li>● JEA</li><li>● Jersey Central Power and Light Company</li><li>● Jones-Onslow EMC</li><li>● Just Energy</li><li>● Kansas City Board of Public Utilities</li><li>● Kansas City Power &amp; Light</li><li>● Kauai Island Utility Cooperative (KIUC)</li><li>● Kaysville City</li><li>● Kenergy Corp</li><li>● Kentucky Utilities</li><li>● Kingsport Power (Appalachian Power)</li><li>● Kissimmee Utility Authority</li><li>● Klickitat Public Utility District</li><li>● Knoxville Utilities Board</li><li>● Kodiak Electric Association</li><li>● L&amp;O Power Co-op</li><li>● La Plata Electric Association</li><li>● Lafayette Utilities System</li><li>● Lake Country Power</li><li>● Lake Worth Utilities</li><li>● Lakeland Electric</li><li>● Lamar Light and Power</li><li>● Lansing Board of Water &amp; Light</li><li>● LCEC</li><li>● Lenoir City Utilities Board</li><li>● Little River Electric Co-Op</li><li>● Lodi Electric Utility</li><li>● Long Island Power Authority (LIPA)</li><li>● Lorain Medina Rural Electric Cooperative</li><li>● Los Angeles Department of Water and Power</li><li>● Louisville Gas &amp; Electric</li><li>● Lower Colorado River Authority</li><li>● Lower Valley Energy</li><li>● Lumbee River EMC</li><li>● Luminant</li><li>● Madison Gas and Electric</li><li>● Magic Valley</li><li>● Magnolia Electric</li><li>● Mansfield Municipal Electric</li><li>● Marblehead Electric Light Department</li><li>● Marshall Municipal Utilities</li><li>● Mason County Public Utility District 3</li><li>● Massachusetts Electric</li></ul> |
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|  |  |  | <ul style="list-style-type: none"><li>● MMWEC</li><li>● Massena Electric Department</li><li>● Maui Electric Company</li><li>● MDU</li><li>● Memphis Light Gas and Water</li><li>● Met-Ed</li><li>● MidAmerican Energy</li><li>● Midwest Energy</li><li>● Minnesota Power</li><li>● Minnkota Power Cooperative</li><li>● Mississippi Power Company</li><li>● Missouri River Energy Services</li><li>● Modesto Irrigation District</li><li>● Mojave Electric Cooperative</li><li>● Montana Electric Cooperatives' Association</li><li>● Montana-Dakota Utilities</li><li>● Mountain Utilities</li><li>● Municipal Light &amp; Power</li><li>● Nantucket Electric</li><li>● Narragansett Electric</li><li>● Nashville Electric Service</li><li>● National Grid</li><li>● Navopache Electric Cooperative</li><li>● Nebraska Public Power District</li><li>● Nevada Power</li><li>● New York Power Authority (NYPA)</li><li>● New York State Electric &amp; Gas (NYSEG)</li><li>● New-Mac Electric</li><li>● Norris Electric Cooperative</li><li>● North Carolina Electric Membership Corp.</li><li>● North Little Rock Electric</li><li>● Northeast Utilities</li><li>● Northern Indiana Public Service Company</li><li>● Northern Neck Electric Cooperative</li><li>● Northwestern Energy</li><li>● NOVEC</li><li>● NRG Energy</li><li>● NSTAR</li><li>● NV Energy</li><li>● Ocala Electric</li><li>● Ohio Edison</li><li>● Oklahoma Gas &amp; Electric</li><li>● Omaha Public Power District</li></ul> |
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|  |  |  | <ul style="list-style-type: none"><li>● Oncor Electric (Formerly TXU)</li><li>● Orange &amp; Rockland</li><li>● Orlando Utilities Commission</li><li>● Otter Tail Power Company</li><li>● Overton Power District No 5</li><li>● Owensboro Municipal Utilities</li><li>● Pacific Gas &amp; Electric</li><li>● PacifiCorp</li><li>● PacifiCorp (Pacific Power)</li><li>● PacifiCorp (Rocky Mountain Power)</li><li>● Pasadena Water &amp; Power</li><li>● Peabody Municipal Light Plant</li><li>● PECO</li><li>● Pedernales Electric Cooperative</li><li>● Penelec</li><li>● Penn Power</li><li>● Pennywise Power</li><li>● People</li><li>● PEPCO</li><li>● Pike County Light &amp; Power Company</li><li>● Portland General Electric</li><li>● Potomoc Edison (FirstEnergy)</li><li>● PowerSouth Energy Cooperative</li><li>● PPL</li><li>● Progress Energy Carolinas</li><li>● Progress Energy Florida</li><li>● Public Service Company of New Mexico</li><li>● Public Service Company of Oklahoma</li><li>● Public Service Electric and Gas Company (PSE&amp;G)</li><li>● Public Service of NH</li><li>● Puget Sound Energy</li><li>● PWC Fayetteville</li><li>● Randolph Electric Membership Corp</li><li>● Rappahannock Electric Cooperative</li><li>● Redding Electric Utility (REU)</li><li>● Reliant Energy</li><li>● River Falls Municipal Utility</li><li>● Riverside Public Utilities</li><li>● Rochester Gas &amp; Electric</li><li>● Rochester Public Utilities</li><li>● Rural Valley Electric Co.</li><li>● Rushmore Electric Cooperative</li><li>● Sacramento Municipal Utility District</li></ul> |
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|  |  |  | <ul style="list-style-type: none"><li>● Salem Electric</li><li>● Salt River Electric</li><li>● Salt River Project</li><li>● Sam Houston Electric</li><li>● San Diego Gas &amp; Electric</li><li>● Santee Cooper</li><li>● Sawnee EMC</li><li>● Seattle City Light</li><li>● SELCO</li><li>● Shenandoah Valley Electric Cooperative</li><li>● Sierra Pacific Power</li><li>● Silicon Valley Power</li><li>● SLECMO</li><li>● Snohomish County Public Utility District (PUD)</li><li>● Source Power and Gas</li><li>● South Carolina Electric &amp; Gas Company</li><li>● South Central Power Company</li><li>● Southern California Edison</li><li>● Southern California Public Power Authority</li><li>● Southern Maryland Electric Cooperative</li><li>● Southern Rivers Energy</li><li>● Southwest Mississippi Electric Power Association</li><li>● Southwestern Electric Power Company (SWEPCO)</li><li>● Springfield City Water Light &amp; Power</li><li>● Star Tex Power</li><li>● Sterling Municipal Light Department</li><li>● Stream Energy</li><li>● Sulphur Springs Valley Electric Cooperative</li><li>● Summer Energy</li><li>● Superior Plus Utility</li><li>● Surprise Valley Power</li><li>● Sussex Rural Electric Cooperative</li><li>● SWEPCO</li><li>● Tacoma Power</li><li>● Tara Energy</li><li>● TECO</li><li>● Tennessee Jackson Energy Authority</li><li>● Tennessee Valley Authority</li><li>● Texas Electric Service Company</li><li>● Tideland EMC</li><li>● Tillamook PUD</li><li>● Toledo Edison</li><li>● Town of Vienna</li></ul> |
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			<ul style="list-style-type: none"> <li>● Tri Eagle Energy</li> <li>● Tri-County Electric</li> <li>● Trico Electric Cooperative</li> <li>● Trinity PUD</li> <li>● Trinity Valley Electric Cooperative</li> <li>● Tucson Electric Power</li> <li>● Turlock Irrigation District (TID)</li> <li>● UGI Utilities</li> <li>● UniSource Energy Services</li> <li>● United Cooperative Services</li> <li>● United Illuminating</li> <li>● United Power Inc</li> <li>● Unitil Corporation</li> <li>● Upper Missouri G&amp;T Cooperative</li> <li>● Upper Peninsula Power Company</li> <li>● Valley Electric Association</li> <li>● Vernon Light &amp; Power</li> <li>● Vineland Municipal Electric Utility</li> <li>● Wake Electric</li> <li>● Wakefield Municipal Gas and Light Department</li> <li>● Wallingford Electric</li> <li>● Wasco Electric</li> <li>● Washington - St. Tammany Electric Cooperative</li> <li>● We Energies</li> <li>● Weakley County Municipal Electric System</li> <li>● Wellsboro Electric Company</li> <li>● West Oregon Electric Cooperative</li> <li>● Westar Energy</li> <li>● Western Massachusetts Electric</li> <li>● Wheeling Electric Power (AEP Ohio)</li> <li>● Willson Energy</li> <li>● Wiregrass Electric Cooperative</li> <li>● Wisconsin Power and Light Company</li> <li>● Wisconsin Public Service Corporation</li> <li>● Withlacoochee River Electric Cooperative</li> <li>● WTU Retail Energy</li> <li>● Wyandotte Municipal Services</li> <li>● Xcel Energy</li> <li>● XOOM Energy</li> </ul>
electrical_bill	no	101-150	<p>Typical electrical bill. Must be one of the 11 values:</p> <ul style="list-style-type: none"> <li>● 0-50</li> <li>● 51-100</li> <li>● 101-150</li> </ul>

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			<ul style="list-style-type: none"> <li>• 151-200</li> <li>• 201-300</li> <li>• 301-400</li> <li>• 401-500</li> <li>• 501-600</li> <li>• 601-700</li> <li>• 701-800</li> <li>• 801+</li> </ul>
credit_score	no	excellent	<p>Credit score. Must be one of the 4 values:</p> <ul style="list-style-type: none"> <li>• excellent</li> <li>• good</li> <li>• fair</li> <li>• poor</li> </ul>
shading	no	a little shade	<p>Shading condition. Must be one of the 4 values:</p> <ul style="list-style-type: none"> <li>• No Shade</li> <li>• A Little Shade</li> <li>• A Lot Of Shade</li> <li>• Uncertain</li> </ul>
azimuth	no	A+ perfect south	<p>Azimuth position. Must be one of the 5 values:</p> <ul style="list-style-type: none"> <li>• A+ perfect south</li> <li>• A little east/west</li> <li>• B more south then east/west</li> <li>• C more east/west then south</li> <li>• D east/west not sure</li> </ul>
property_type	no	single family	<p>Type of the property. Must be one of the 7 values:</p> <ul style="list-style-type: none"> <li>• Single Family</li> <li>• Multi-Family</li> <li>• Townhome</li> <li>• Condominium</li> <li>• Duplex</li> <li>• Mobile Home</li> <li>• Other</li> </ul>
roof_type	no	clay or slate tile	<p>Type of roof. Must be one of the 12 values:</p> <ul style="list-style-type: none"> <li>• Clay Or Slate Tile</li> <li>• Composite Shingle</li> <li>• Curved Tile - Concrete</li> <li>• Flat Tile - Concrete</li> <li>• Flat - Rolled Composite / Tar And Gravel</li> <li>• Ground Mount</li> <li>• Membrane Or Foam</li> <li>• Metal Shingle</li> <li>• Shake - Wood; Fiber; Plastic</li> <li>• Sheet Metal</li> <li>• Standing Seam Metal</li> <li>• Other</li> </ul>

# Tetraop Solar Lead Submission Guide

## Format

JSON Format	Ping Example
<pre>{   "header": {     "key": "[value]",     "lead_id": "[value]",     "source": "[value]",     "sub_source": "[value]",     "retry": "[value]",     "data": {       "created": "[value]",       "ip": "[value]",       "universal_lead_id": "[value]",       "some_attribute": "[value]",       "another_attribute": "[value]"     }   } }</pre>	<pre>{   "header": {     "key": "ask2@sj2Fab2H2s",     "lead_id": "328",     "source": "378937AB",     "sub_source": "123G5",     "retry": true,     "data": {       "created": "2015-10-01 14:05:34-08:00",       "ip": "191.23.48.120",       "universal_lead_id": "[value]",       "phone_type": "mobile",       "tcpa": true     }   } }</pre>

## URL

<http://services.tetraop.com/ping>

## Response

Tetraop will respond with a JSON string, indicating a success or failure. Response messages are collected into an array. If you receive a failing status, please carefully review the messages on what may have went wrong. Messages are very descriptive. If response has success status it may not contain messages because there are none.

JSON Response Format	Response Example
<pre>{   "status": "value",   "errors": [     "value",     "value"   ] }</pre>	<pre>{   "status": "FAILURE",   "errors": [     "Missing first_name",     "Invalid phone number",     "IP address required"   ] }</pre>
<pre>{   "status": "value",   "price": value,   "token": "value" }</pre>	<pre>{   "status": "SUCCESS",   "price": 10.45,   "token": "ASDH2-KHW92-28SJ2" }</pre>

# Tetraop Solar Lead Submission Guide

## Test Mode

In order to test your pings, simply advise our marketing team to set your campaign to run in a test mode. Once tested and confirmed that your setup is working properly, we will switch campaign to the production mode and you can start sending leads.

## Post

A post must be submitted using JSON format over HTTP-POST method. Notice that all required fields must be present and data must be a valid format in order to be accepted. Post request consists of two sections “header” and “data”. Each attribute shall be placed in the appropriate section as defined below.

Attribute	Required	Example	Description
<b>HEADER</b>			
key	yes	ask2@sj2Fab2H2s	Provided by Tetraop
lead_id	yes	328	Unique numeric Tetraop's lead id
channel	yes	Content Marketing	Lead generation channel. Must be one of the following 18 values must be submitted: <ul style="list-style-type: none"><li>• Unidentified</li><li>• Affiliate</li><li>• Aggregator</li><li>• Call Center</li><li>• Call Verified</li><li>• Content Marketing</li><li>• Contextual</li><li>• Display</li><li>• Email Campaign</li><li>• Email Newsletter</li><li>• Mobile Display</li><li>• Owned &amp; Operated</li><li>• Print</li><li>• Radio</li><li>• SEM</li><li>• SEO</li><li>• Social Media</li><li>• Telemarketing</li><li>• TV</li></ul>
token	yes	asl2-82hdk-1j2js-afS2	Tetraop's token obtained from the previous ping response
source	yes	3847ABC or A34_aSk7	Lead source. Format: alphanumeric and underscores
sub_source	no	Hs29s	Lead sub source.

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retry	no	true	If needed to retry pinging the same lead again, sent retry set to "true" to avoid being stopped as a duplicate ping.
<b>DATA</b>			
created	yes	2015-10-01 14:05:34-08:00	Lead creation date. Format: YYYY-MM-DD hh:mm:ssZ
ip	yes	182.290.32.121	IP address where lead was generated
universal_lead_id	no	1728-xslw-2934-oaw	A lead id from LeadID.com
first_name	yes	John	First name
last_name	yes	Smith	Last name
email	yes	john@yahoo.com	Valid email address.
phone	yes	2134659302	Primary phone. Unformatted 10 digits number
phone_type	yes	mobile	Phone type. Must be one of the following 3 values: <ul style="list-style-type: none"> <li>• mobile</li> <li>• land</li> <li>• office</li> </ul>
address	yes	1234 Sunset Blvd.	Street address
city	yes	Los Angeles	City name
state	yes	CA	State
zip	yes	90001	Zip code
details	no	project details	Project details, notes, comments, etc.
tcpa	yes	true	TCPA compliance accepted or rejected
tcpa_text	yes	the actual text	TCPA text as it was presented to the visitor.
hire_status	yes	ready to hire	Project hiring status. Must be one of the following 3 values: <ul style="list-style-type: none"> <li>• ready to hire</li> <li>• planning &amp; budgeting</li> <li>• quote request</li> </ul>
contact_time	yes	any time	Best contact time. Must be one of the following 4 values: <ul style="list-style-type: none"> <li>• any time</li> <li>• morning</li> <li>• afternoon</li> <li>• evening</li> </ul>
homeowner	yes	true	Is this person a homeowner. Must be true or false
user_agent	yes	Mozilla Firefox	User agent of the user's browser.

# Tetraop Solar Lead Submission Guide

phone2	no	8187569013	Secondary phone. Unformatted 10 digits number
phone2_type	no	office	Secondary phone type. Must be one of the following 3 values: <ul style="list-style-type: none"> <li>• mobile</li> <li>• land</li> <li>• office</li> </ul>
utility_provider	yes	Avista Utilities	Utility provider company. Must be one of the listed values: <ul style="list-style-type: none"> <li>• Not Listed</li> <li>• AECO (Alabama Electric Company)</li> <li>• Alabama Power</li> <li>• Alameda Municipal Power</li> <li>• Alaska Villages Electric Cooperative</li> <li>• Allegheny Power</li> <li>• Alliant Energy</li> <li>• Ambit Energy</li> <li>• Ameren</li> <li>• American Electric Power</li> <li>• Amigo Energy</li> <li>• Anaheim Public Utilities</li> <li>• Appalachian Power</li> <li>• Arizona Public Service</li> <li>• Ashland Electric</li> <li>• Atlantic City Electric</li> <li>• Austin Energy</li> <li>• Avista Utilities</li> <li>• Azusa Light &amp; Water</li> <li>• Baltimore Gas &amp; Electric</li> <li>• Bangor Hydro Electric</li> <li>• Basin Electric Power Cooperative</li> <li>• Batavia Municipal Electric</li> <li>• Bear Valley Electric</li> <li>• Beaugard Electric CO-OP</li> <li>• Benton PUD</li> <li>• Berea Municipal Utilities</li> <li>• Berkeley Electric Cooperative</li> <li>• Berkshire Company</li> <li>• Big Rivers Electric Corporation</li> <li>• Black Hills Energy</li> <li>• Black Hills Power</li> <li>• Blue Grass Energy</li> <li>• Blue Ridge Electrical Membership Corp.</li> <li>• Borough of Ellwood City</li> <li>• Bounce Energy</li> </ul>



# Tetraop Solar Lead Submission Guide

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|  |  |  | <ul style="list-style-type: none"><li>● Braintree Electric Light Department</li><li>● Brigham City Public Power</li><li>● Brunswick EMC</li><li>● Bryan Texas Utilities</li><li>● Burbank Water &amp; Power</li><li>● Caddo Electric Cooperative</li><li>● California Public Utilities Commission</li><li>● Calpine</li><li>● Canby Electric</li><li>● Carteret-Craven Electric Cooperative</li><li>● CenterPoint Energy</li><li>● Central Electric Power Cooperative</li><li>● Central Hudson Gas &amp; Electric</li><li>● Central Maine Power</li><li>● Central Montana Electric Power Cooperative</li><li>● Central Power Electric Cooperative</li><li>● Central Vermont Public Service</li><li>● CH Energy Group</li><li>● Champion Energy Services</li><li>● Chariton Valley Electric Cooperative</li><li>● Chelan County Public Utility District</li><li>● Cherokee Electric Cooperative</li><li>● Cheyenne Light Fuel &amp; Power</li><li>● Choptank Electric Cooperative</li><li>● Chugach Electric Association</li><li>● Cincinnati Bell Energy</li><li>● Cirro Energy</li><li>● Citizens Choice Energy Jamestown BPU</li><li>● Citizens Electric of Lewisburg</li><li>● Citizens Utilities Board</li><li>● City &amp; County of San Francisco</li><li>● City of Dover Electric Department</li><li>● City of Milford Electric Department</li><li>● City of Palo Alto Utilities</li><li>● City of Rock Hill</li><li>● City of Safford Electric Department</li><li>● City of Tallahassee Utilities</li><li>● City of Vero Beach</li><li>● City Utilities of Springfield</li><li>● Claverack REC</li><li>● Clay Electric Co-op</li><li>● Clearwater Power</li><li>● CLECO</li></ul> |
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# Tetraop Solar Lead Submission Guide

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|  |  |  | <ul style="list-style-type: none"><li>● Cleveland Electric Illuminating Company</li><li>● Coast Electric</li><li>● College Station Utilities</li><li>● Colorado Springs Utilities</li><li>● Colton Public Utilities Glendale Public Service Department</li><li>● Columbia REA</li><li>● Columbia River Public Utility District</li><li>● ComEd Electric Company</li><li>● Connecticut Light &amp; Power</li><li>● Connecticut Natural Gas</li><li>● Consolidated Edison Company of New York (Con Edison)</li><li>● Consolidated Electric Cooperative</li><li>● Consumers Energy</li><li>● Copper Valley Electric Association</li><li>● Coserv Electric</li><li>● Coweta Fayette EMC</li><li>● CPS Energy</li><li>● Dairyland Power Co-op</li><li>● Danville Utilities</li><li>● Dayton Power &amp; Light</li><li>● Delaware Electric Cooperative</li><li>● Delmarva Power</li><li>● DEMCO</li><li>● Denton Municipal Electric</li><li>● Direct Energy</li><li>● Dominion Virginia Power</li><li>● Douglas County Public Utility District</li><li>● dPi Energy</li><li>● DTE Energy (Detroit Edison)</li><li>● Duke Energy</li><li>● Duke Energy Indiana</li><li>● Duke Energy Kentucky</li><li>● Duke Energy NC</li><li>● Duke Energy Ohio</li><li>● Duke Energy SC</li><li>● Duncan Valley Electric Cooperative</li><li>● Duquesne Light</li><li>● East River Electric Cooperative</li><li>● East River Electric Power Co-op</li><li>● Eau Claire Energy Cooperative</li><li>● El Paso Electric</li></ul> |
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# Tetraop Solar Lead Submission Guide

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|  |  |  | <ul style="list-style-type: none"><li>● Electric Database Publishing</li><li>● Electric Power Board</li><li>● Electrical District No. 2</li><li>● ElectriCities</li><li>● Emerald PUD</li><li>● Empire District Electric Company</li><li>● Entergy</li><li>● Entrust Energy</li><li>● Eugene Water &amp; Electric Board</li><li>● Everything Energy</li><li>● Excel Energy</li><li>● Farmers Electrical Cooperative</li><li>● Farmington Electric Utility System</li><li>● First Electric Cooperative</li><li>● First Texas Energy Corporation</li><li>● FirstEnergy</li><li>● Fleming-Mason Energy Cooperative</li><li>● Flint Energies</li><li>● Florida Municipal Power Agency</li><li>● Florida Power &amp; Light</li><li>● Florida Public Utility Company Palm Beach</li><li>● Gainesville Regional Utilities</li><li>● Garland Power and Light</li><li>● Georgetown Utility Services (GUS)</li><li>● Georgia EMC</li><li>● Georgia Power</li><li>● Gexa Energy</li><li>● Golden Valley Electric Association</li><li>● Granite State Electric</li><li>● Grant County Public Utility District</li><li>● Great River Energy</li><li>● Green Island Power Authority</li><li>● Green Mountain Energy</li><li>● Green Mountain Power</li><li>● Gridley Municipal Utilities</li><li>● Guadalupe Valley Electric Cooperative</li><li>● Gulf Power</li><li>● GVEC</li><li>● Halifax Electric Membership</li><li>● Hawaiian Electric Company (HECO)</li><li>● Hawaiian Electric Industries</li><li>● Healdsburg Municipal Electric Department</li><li>● Henderson Municipal Power and Light</li></ul> |
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|  |  |  | <ul style="list-style-type: none"><li>● High Plains Power</li><li>● High West Energy</li><li>● Highline Electric Association</li><li>● Holden Municipal Light Department</li><li>● Holland Board of Public Works</li><li>● Holy Cross Energy Company</li><li>● Howard Electric Cooperative</li><li>● Hutchinson Utilities Commission</li><li>● Hyrum City Power &amp; Light</li><li>● IDACORP</li><li>● Idaho Power</li><li>● Imperial Irrigation District</li><li>● Independence Power and Light</li><li>● Indianapolis Power &amp; Light</li><li>● Intermountain Power Agency</li><li>● Intermountain Rural Electric Association</li><li>● International Electric Power (IEP)</li><li>● Interstate Power and Light Company</li><li>● ITC Midwest</li><li>● Jackson</li><li>● JEA</li><li>● Jersey Central Power and Light Company</li><li>● Jones-Onslow EMC</li><li>● Just Energy</li><li>● Kansas City Board of Public Utilities</li><li>● Kansas City Power &amp; Light</li><li>● Kauai Island Utility Cooperative (KIUC)</li><li>● Kaysville City</li><li>● Kenenergy Corp</li><li>● Kentucky Utilities</li><li>● Kingsport Power (Appalachian Power)</li><li>● Kissimmee Utility Authority</li><li>● Klickitat Public Utility District</li><li>● Knoxville Utilities Board</li><li>● Kodiak Electric Association</li><li>● L&amp;O Power Co-op</li><li>● La Plata Electric Association</li><li>● Lafayette Utilities System</li><li>● Lake Country Power</li><li>● Lake Worth Utilities</li><li>● Lakeland Electric</li><li>● Lamar Light and Power</li><li>● Lansing Board of Water &amp; Light</li></ul> |
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|  |  |  | <ul style="list-style-type: none"><li>● LCEC</li><li>● Lenoir City Utilities Board</li><li>● Little River Electric Co-Op</li><li>● Lodi Electric Utility</li><li>● Long Island Power Authority (LIPA)</li><li>● Lorain Medina Rural Electric Cooperative</li><li>● Los Angeles Department of Water and Power</li><li>● Louisville Gas &amp; Electric</li><li>● Lower Colorado River Authority</li><li>● Lower Valley Energy</li><li>● Lumbee River EMC</li><li>● Luminant</li><li>● Madison Gas and Electric</li><li>● Magic Valley</li><li>● Magnolia Electric</li><li>● Mansfield Municipal Electric</li><li>● Marblehead Electric Light Department</li><li>● Marshall Municipal Utilities</li><li>● Mason County Public Utility District 3</li><li>● Massachusetts Electric</li><li>● MMWEC</li><li>● Massena Electric Department</li><li>● Maui Electric Company</li><li>● MDU</li><li>● Memphis Light Gas and Water</li><li>● Met-Ed</li><li>● MidAmerican Energy</li><li>● Midwest Energy</li><li>● Minnesota Power</li><li>● Minnkota Power Cooperative</li><li>● Mississippi Power Company</li><li>● Missouri River Energy Services</li><li>● Modesto Irrigation District</li><li>● Mojave Electric Cooperative</li><li>● Montana Electric Cooperatives' Association</li><li>● Montana-Dakota Utilities</li><li>● Mountain Utilities</li><li>● Municipal Light &amp; Power</li><li>● Nantucket Electric</li><li>● Narragansett Electric</li><li>● Nashville Electric Service</li><li>● National Grid</li><li>● Navopache Electric Cooperative</li></ul> |
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|  |  |  | <ul style="list-style-type: none"><li>● Nebraska Public Power District</li><li>● Nevada Power</li><li>● New York Power Authority (NYPA)</li><li>● New York State Electric &amp; Gas (NYSEG)</li><li>● New-Mac Electric</li><li>● Norris Electric Cooperative</li><li>● North Carolina Electric Membership Corp.</li><li>● North Little Rock Electric</li><li>● Northeast Utilities</li><li>● Northern Indiana Public Service Company</li><li>● Northern Neck Electric Cooperative</li><li>● Northwestern Energy</li><li>● NOVEC</li><li>● NRG Energy</li><li>● NSTAR</li><li>● NV Energy</li><li>● Ocala Electric</li><li>● Ohio Edison</li><li>● Oklahoma Gas &amp; Electric</li><li>● Omaha Public Power District</li><li>● Oncor Electric (Formerly TXU)</li><li>● Orange &amp; Rockland</li><li>● Orlando Utilities Commission</li><li>● Otter Tail Power Company</li><li>● Overton Power District No 5</li><li>● Owensboro Municipal Utilities</li><li>● Pacific Gas &amp; Electric</li><li>● PacifiCorp</li><li>● PacifiCorp (Pacific Power)</li><li>● PacifiCorp (Rocky Mountain Power)</li><li>● Pasadena Water &amp; Power</li><li>● Peabody Municipal Light Plant</li><li>● PECO</li><li>● Pedernales Electric Cooperative</li><li>● Penelec</li><li>● Penn Power</li><li>● Pennywise Power</li><li>● People</li><li>● PEPCO</li><li>● Pike County Light &amp; Power Company</li><li>● Portland General Electric</li><li>● Potomoc Edison (FirstEnergy)</li><li>● PowerSouth Energy Cooperative</li></ul> |
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|  |  |  | <ul style="list-style-type: none"> <li>● PPL</li> <li>● Progress Energy Carolinas</li> <li>● Progress Energy Florida</li> <li>● Public Service Company of New Mexico</li> <li>● Public Service Company of Oklahoma</li> <li>● Public Service Electric and Gas Company (PSE&amp;G)</li> <li>● Public Service of NH</li> <li>● Puget Sound Energy</li> <li>● PWC Fayetteville</li> <li>● Randolph Electric Membership Corp</li> <li>● Rappahannock Electric Cooperative</li> <li>● Redding Electric Utility (REU)</li> <li>● Reliant Energy</li> <li>● River Falls Municipal Utility</li> <li>● Riverside Public Utilities</li> <li>● Rochester Gas &amp; Electric</li> <li>● Rochester Public Utilities</li> <li>● Rural Valley Electric Co.</li> <li>● Rushmore Electric Cooperative</li> <li>● Sacramento Municipal Utility District</li> <li>● Salem Electric</li> <li>● Salt River Electric</li> <li>● Salt River Project</li> <li>● Sam Houston Electric</li> <li>● San Diego Gas &amp; Electric</li> <li>● Santee Cooper</li> <li>● Sawnee EMC</li> <li>● Seattle City Light</li> <li>● SELCO</li> <li>● Shenandoah Valley Electric Cooperative</li> <li>● Sierra Pacific Power</li> <li>● Silicon Valley Power</li> <li>● SLECMO</li> <li>● Snohomish County Public Utility District (PUD)</li> <li>● Source Power and Gas</li> <li>● South Carolina Electric &amp; Gas Company</li> <li>● South Central Power Company</li> <li>● Southern California Edison</li> <li>● Southern California Public Power Authority</li> <li>● Southern Maryland Electric Cooperative</li> <li>● Southern Rivers Energy</li> <li>● Southwest Mississippi Electric Power Association</li> </ul> |
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|  |  |  | <ul style="list-style-type: none"><li>● Southwestern Electric Power Company (SWEPCO)</li><li>● Springfield City Water Light &amp; Power</li><li>● Star Tex Power</li><li>● Sterling Municipal Light Department</li><li>● Stream Energy</li><li>● Sulphur Springs Valley Electric Cooperative</li><li>● Summer Energy</li><li>● Superior Plus Utility</li><li>● Surprise Valley Power</li><li>● Sussex Rural Electric Cooperative</li><li>● SWEPCO</li><li>● Tacoma Power</li><li>● Tara Energy</li><li>● TECO</li><li>● Tennessee Jackson Energy Authority</li><li>● Tennessee Valley Authority</li><li>● Texas Electric Service Company</li><li>● Tideland EMC</li><li>● Tillamook PUD</li><li>● Toledo Edison</li><li>● Town of Vienna</li><li>● Tri Eagle Energy</li><li>● Tri-County Electric</li><li>● Trico Electric Cooperative</li><li>● Trinity PUD</li><li>● Trinity Valley Electric Cooperative</li><li>● Tucson Electric Power</li><li>● Turlock Irrigation District (TID)</li><li>● UGI Utilities</li><li>● UniSource Energy Services</li><li>● United Cooperative Services</li><li>● United Illuminating</li><li>● United Power Inc</li><li>● Unitil Corporation</li><li>● Upper Missouri G&amp;T Cooperative</li><li>● Upper Peninsula Power Company</li><li>● Valley Electric Association</li><li>● Vernon Light &amp; Power</li><li>● Vineland Municipal Electric Utility</li><li>● Wake Electric</li><li>● Wakefield Municipal Gas and Light Department</li><li>● Wallingford Electric</li><li>● Wasco Electric</li></ul> |
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# Tetraop Solar Lead Submission Guide

			<ul style="list-style-type: none"> <li>● Washington - St. Tammany Electric Cooperative</li> <li>● We Energies</li> <li>● Weakley County Municipal Electric System</li> <li>● Wellsboro Electric Company</li> <li>● West Oregon Electric Cooperative</li> <li>● Westar Energy</li> <li>● Western Massachusetts Electric</li> <li>● Wheeling Electric Power (AEP Ohio)</li> <li>● Wilson Energy</li> <li>● Wiregrass Electric Cooperative</li> <li>● Wisconsin Power and Light Company</li> <li>● Wisconsin Public Service Corporation</li> <li>● Withlacoochee River Electric Cooperative</li> <li>● WTU Retail Energy</li> <li>● Wyandotte Municipal Services</li> <li>● Xcel Energy</li> <li>● XOOM Energy</li> </ul>
electrical_bill	yes	101-150	<p>Typical electrical bill. Must be one of the 11 values:</p> <ul style="list-style-type: none"> <li>● 0-50</li> <li>● 51-100</li> <li>● 101-150</li> <li>● 151-200</li> <li>● 201-300</li> <li>● 301-400</li> <li>● 401-500</li> <li>● 501-600</li> <li>● 601-700</li> <li>● 701-800</li> <li>● 801+</li> </ul>
credit_score	yes	excellent	<p>Credit score. Must be one of the 4 values:</p> <ul style="list-style-type: none"> <li>● excellent</li> <li>● good</li> <li>● fair</li> <li>● poor</li> </ul>
shading	no	a little shade	<p>Shading condition. Must be one of the 4 values:</p> <ul style="list-style-type: none"> <li>● No Shade</li> <li>● A Little Shade</li> <li>● A Lot Of Shade</li> <li>● Uncertain</li> </ul>
azimuth	no	A+ perfect south	<p>Azimuth position. Must be one of the 5 values:</p> <ul style="list-style-type: none"> <li>● A+ perfect south</li> <li>● A little east/west</li> <li>● B more south then east/west</li> <li>● C more east/west then south</li> </ul>

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			<ul style="list-style-type: none"> <li>• D east/west not sure</li> </ul>
property_type	no	single family	Type of the property. Must be one of the 7 values: <ul style="list-style-type: none"> <li>• Single Family</li> <li>• Multi-Family</li> <li>• Townhome</li> <li>• Condominium</li> <li>• Duplex</li> <li>• Mobile Home</li> <li>• Other</li> </ul>
roof_type	no	clay or slate tile	Type of roof. Must be one of the 12 values: <ul style="list-style-type: none"> <li>• Clay Or Slate Tile</li> <li>• Composite Shingle</li> <li>• Curved Tile - Concrete</li> <li>• Flat Tile - Concrete</li> <li>• Flat - Rolled Composite / Tar And Gravel</li> <li>• Ground Mount</li> <li>• Membrane Or Foam</li> <li>• Metal Shingle</li> <li>• Shake - Wood; Fiber; Plastic</li> <li>• Sheet Metal</li> <li>• Standing Seam Metal</li> <li>• Other</li> </ul>

## URL

<http://services.tetraop.com/post>

## Response

Tetraop will respond with a JSON string, indicating a success or failure. Response messages are collected into an array. If you receive a failing status, please carefully review the messages on what may went wrong. Messages are very descriptive. If response has success status it may not contain messages because there are none.

JSON Response Format	Response Example
<pre>{   "status": "value",   "errors": [     "value",     "value",     "value"   ] }</pre>	<pre>{   "status": "FAILURE",   "errors": [     "Missing first_name",     "Invalid phone number",     "IP address required"   ] }</pre>
<pre>{   "status": "value",</pre>	<pre>{   "status": "SUCCESS",</pre>

# Tetraop Solar Lead Submission Guide

<pre>"price":value }</pre>	<pre>"price":10.45 }</pre>
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## Test Mode

In order to test your posts, simply advise our marketing team to set your campaign to run in a test mode. Once tested and confirmed that your setup is working properly, we will switch campaign to the production mode and you can start sending leads.