**PV Watts GET Call: *Free service:***

[*https://developer.nrel.gov/api/pvwatts/v4/*](https://developer.nrel.gov/api/pvwatts/v4/)

*&lat=' + flowVars['Lat']+*

*&lon=' + flowVars['Lng'] +*

*'&derate=' + flowVars['Derate'] +*

*"&inoct=50"*

**Finprog\_v2 Input for Mosaic:**

{

"SunEdCustId": "1562116",

"Quote": {

"proposaltitle": "abc",

"PurchaseType": "Loan",

"FinancingProgram": "SunEdison Mosaic SCION With Signature Series",

"Year1Production": 9689,

"CurrentUtilityCost": 2490,

"CustomerPrepayment": 0,

"PeriodicRentEscalation": 0,

"PostSolarTariff": "Residential - (E-1)",

"PostSolarUtilityCost": 202,

"PreSolarTariff": "Residential - (E-1)",

"ProposalID": "CA-SLE-7234966",

"SubstantialCompletionDate": "07/31/2015",

"UtilityIndex": "734",

"YearlyUsage": 10569,

"Rebate": 0,

"lastYear": "25",

"Credits": "2000",

"MasterTariffId": "521",

"Usage": [

"929",

"814",

"892",

"845",

"854",

"866",

"860",

"887",

"905",

"904",

"876",

"938"

],

"TaxRate": "0",

"ProposalTitle": "reena's proposal",

"Derate": "0.8831",

"SystemSize": "5.94",

"UtilityProvider": "Pacific Gas & Electric Co",

"UpfrontRebateAssumptionsMax": 0,

"UpfrontRebateAssumptions": 0,

"ITCChecked": "false",

"PricePerWatt": "0.24068685",

"LoanStartDate": "02/10/2016",

"Year1Yield": "1631.11",

"MosaicTenor": 12

},

"Array": [

{

"ArrayNumber": "1",

"Azimuth": "180.00",

"InverterId": "SE6000A-US-U",

"InverterModel": "SolarEdge Technologies",

"ModuleQuantity": "12",

"ModuleType": "SunEdison 270 - Black on Black",

"Orientation": "Portrait",

"Shading": [

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97"

],

"MonthlyProduction": [

"284",

"268",

"451",

"531",

"617",

"573",

"619",

"504",

"477",

"407",

"300",

"254"

],

"SystemSize": "3.24",

"Tilt": "20"

},

{

"ArrayNumber": "2",

"Azimuth": "180.00",

"ModuleQuantity": "10",

"SystemSize": "2.70",

"Tilt": "20",

"MonthlyProduction": [

"355",

"335",

"564",

"664",

"771",

"716",

"774",

"630",

"596",

"509",

"375",

"318"

],

"Orientation": "Portrait",

"ModuleType": "SunEdison 270 - Black on Black",

"InverterId": "SE6000A-US-U",

"InverterModel": "SolarEdge Technologies",

"Shading": [

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97"

]

}

],

"System": {

"InverterManufacturer": "SolarEdge Technologies",

"InverterQuantity": "1",

"ModuleId": "SunEdison 270 - Black on Black",

"ModuleQuantity": "22",

"MountingType": "sloped roof",

"PanelSize": "270",

"totalCost": "",

"InverterType": "Optimized",

"InverterId": "SE6000A-US-U",

"InverterModel": "SE6000A-US-U"

},

"Contract": {

"installer.client.name": "Complete Solar Inc.",

"calcMap.dealerName": "CS Dealer Inc.",

"product\_type": "PV",

"installer.client.phone": "8772994943",

"calcMap.currentDate": "06/25/2015"

}

}

**Finprog\_v2 input for Cash:**

{

"SunEdCustId": "8220487",

"Quote": {

"PurchaseType": "Cash",

"FinancingProgram": "Cash",

"proposaltitle": "abc",

"CashDownpayment": "1000",

"InstallationPayment": "0",

"PricePerWatt": "4.00",

"RegistrationNumber": "12345",

"YearlyUsage": 9717,

"Year1Production": 10515,

"lastYear": "25",

"PostSolarUtilityCost": 96,

"PreSolarTariff": "Residential-(E-1)",

"CurrentUtilityCost": 2231,

"ProposalID": "CA-TES-93806617",

"PostSolarTariff": "Residential-(E-1)",

"Usage": [

"852",

"773",

"816",

"775",

"783",

"794",

"788",

"814",

"830",

"829",

"804",

"860"

],

"YearsSavings": "32,761",

"TaxRate": "0",

"ProposalTitle": "test-oct's proposal",

"Derate": "0.8916",

"ASP": "0.135",

"SystemSize": "6.75",

"UtilityIndex": "734",

"UtilityProvider": "Pacific Gas & Electric Co",

"UpfrontRebateAssumptionsMax": 0,

"UpfrontRebateAssumptions": 0,

"ITCChecked": "false"

},

"Array": [

{

"ArrayNumber": "1",

"Azimuth": "180.00",

"InverterId": "M250-60-2LL-S2X-IG",

"InverterModel": "Enphase Energy",

"ModuleQuantity": "25",

"ModuleType": "SunEdison 270 - Black on Black",

"Orientation": "Portrait",

"MonthlyProduction": [

"503",

"635",

"876",

"1002",

"1107",

"1148",

"1206",

"1131",

"1022",

"796",

"555",

"534"

],

"Shading": [

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97"

],

"SystemSize": "6.75",

"Tilt": "20"

}

],

"System": {

"InverterManufacturer": "Enphase Energy",

"InverterQuantity": "25",

"ModuleId": "SunEdison 270 - Black on Black",

"ModuleQuantity": "25",

"MountingType": "Flat Roof",

"PanelSize": "270",

"totalCost": "23400",

"InverterType": "Micro",

"InverterId": "M250-60-2LL-S2X-IG",

"InverterModel": "M250-60-2LL-S2X-IG"

},

"Contract": {

"installer.client.name": "Complete Solar",

"calcMap.dealerName": "Complete Solar",

"product\_type": "PV",

"installer.client.phone": "8772994943",

"calcMap.currentDate": "18/03/2015"

}

}

**W&S XML Input for Cash and Mosaic:**

Refer to the input names in blue color for names of fields:

<?xml version=*"1.0"* encoding=*"utf-8"*?>

<abc xmlns=*"http://www.warren-selbert.com"* xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*>

  <username>#[flowVars['financialModel.username']]</username>

  <password>#[flowVars['financialModel.password']]</password>

  <version>2</version>

  <batch id=*"1"*>

    <filename>mosaic\_model\_qa</filename>

    <inputcommand name=*"APIInput"*>

       <input name=*"Loan Start Date"*>#[message.payload['Quote']['LoanStartDate']]</input>

             <input name=*"Customer State"*>#[processStateName2CodeMapping(message.payload['SunEdCustomer']['State'])]</input>

             <input name=*"Year 1 Utility Rate ($/kWh)"*>#[message.payload['Quote']['PricePerWatt']]</input>

             <input name=*"System Size (W)"*>#[message.payload['Quote']['SystemSize']]</input>

             <input name=*"Year 1 Production (kWh)"*>#[message.payload['Quote']['Year1Production']]</input>

             <input name=*"Year 1 Yield (kWh/kW)"*>#[message.payload['Quote']['Year1Yield']]</input>

             <input name=*"Product Tenor"*>#[message.payload['Quote']['MosaicTenor']]</input>

             <input name=*"Channel Type"*>#[message.payload['Quote']['ChannelType']]</input>

             <input name=*"Signature Series"*>#[flowVars['SignatureSeries']]</input>

             <input name=*"Utility Index (Genability ID)"*>#[message.payload['Quote']['UtilityIndex']]</input>

             <input name=*"Customer unique ID"*>#[message.payload['SunEdCustId']]</input>

             <input name=*"Proposal ID"*>#[message.payload['Quote']['ProposalID']]</input>

             <input name=*"IP address"*>#[java.net.InetAddress.getLocalHost().getHostAddress()]</input>

             <input name=*"Authorization code"*>MODSOLAR-021513</input>

             <input name=*"ModSolar call version ID"*>1.00.01</input>

      <input name=*"APIBatchID"*>1</input>

    </inputcommand>

    <outputcommand name=*"APIOutput"*>

      <outputoption></outputoption>

    </outputcommand>

  </batch>

</abc>

**Output XML:**

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

<abc>

<batchoutput id="1">

<output name="Estimated APR">

<value>4.37869%</value>

</output>

<output name="Financing Type">

<value>Loan Purchase</value>

</output>

<output name="Annual utility escalation rate">

<value>3.4%</value>

</output>

<output name="Interest rate">

<value>3.99%</value>

</output>

<output name="Inverter replacement cost ($), Year 11">

<value>815.00</value>

</output>

<output name="Inverter replacement cost ($), Year 21">

<value>774.28</value>

</output>

<output name="First payment date">

<value> 5/14/2016</value>

</output>

<output name="Maturity date">

<value> 2/14/2028</value>

</output>

<output name="PV of ITC @ 30%">

<value>9236.77</value>

</output>

<output name="Balance at first payment">

<value>32630.84</value>

</output>

<output name="Payments made before possible re-am">

<value>16</value>

</output>

<output name="ITC payment">

<value>9708.34</value>

</output>

<output name="Initial loan amount">

<value>31687.20</value>

</output>

<output name="ASP ($/W)">

<value>4.89</value>

</output>

<output name="Monthly payment (assumes full ITC payment)">

<value>206.27</value>

</output>

<output name="Post-ITC monthly payment, 0% ITC down">

<value>300.71</value>

</output>

<output name="Loan Balance, post ITC payment">

<value>21204.46</value>

</output>

<output name="Years">

<value>1</value>

<value>2</value>

<value>3</value>

<value>4</value>

<value>5</value>

<value>6</value>

<value>7</value>

<value>8</value>

<value>9</value>

<value>10</value>

<value>11</value>

<value>12</value>

<value>13</value>

<value>14</value>

<value>15</value>

<value>16</value>

<value>17</value>

<value>18</value>

<value>19</value>

<value>20</value>

<value>21</value>

<value>22</value>

<value>23</value>

<value>24</value>

<value>25</value>

</output>

<output name="25-year solar production (kWh)">

<value>241119</value>

</output>

<output name="Solar production NPV (kWh)">

<value>132392</value>

</output>

<output name="25-year total utility cost">

<value>81640.08</value>

</output>

<output name="NPV utility cost">

<value>40970.24</value>

</output>

<output name="25-year solar cost total">

<value>30879.85</value>

</output>

<output name="NPV solar cost">

<value>21774.37</value>

</output>

<output name="Utility 25-year LCOE ($/kWh)">

<value>0.31</value>

</output>

<output name="Customer 25-year LCOE ($/kWh)">

<value>0.16</value>

</output>

<output name="Est. 25-year savings relative to utility (%)">

<value>47%</value>

</output>

<output name="Annual solar production (kWh)">

<value>10236</value>

<value>10185</value>

<value>10134</value>

<value>10083</value>

<value>10033</value>

<value>9983</value>

<value>9933</value>

<value>9883</value>

<value>9834</value>

<value>9784</value>

<value>9736</value>

<value>9687</value>

<value>9638</value>

<value>9590</value>

<value>9542</value>

<value>9495</value>

<value>9447</value>

<value>9400</value>

<value>9353</value>

<value>9306</value>

<value>9260</value>

<value>9213</value>

<value>9167</value>

<value>9121</value>

<value>9076</value>

</output>

<output name="NPV system cost">

<value>30513.41</value>

</output>

<output name="NPV ITC incentives">

<value>-8739.04</value>

</output>

<output name="NPV SREC incentives">

<value>0.00</value>

</output>

<output name="NPV upfront rebates">

<value>0.00</value>

</output>

<output name="NPV PBIs">

<value>0.00</value>

</output>

<output name="Estimated Monthly Utility Cost without Solar">

<value>189.49</value>

<value>194.95</value>

<value>200.57</value>

<value>206.35</value>

<value>212.30</value>

<value>218.42</value>

<value>224.72</value>

<value>231.20</value>

<value>237.86</value>

<value>244.72</value>

<value>251.77</value>

<value>259.03</value>

<value>266.50</value>

<value>274.18</value>

<value>282.09</value>

<value>290.22</value>

<value>298.59</value>

<value>307.20</value>

<value>316.05</value>

<value>325.17</value>

<value>334.54</value>

<value>344.18</value>

<value>354.11</value>

<value>364.32</value>

<value>374.82</value>

</output>

<output name="Estimated Annual Utility Cost without Solar">

<value>2273.82</value>

<value>2339.38</value>

<value>2406.82</value>

<value>2476.21</value>

<value>2547.60</value>

<value>2621.05</value>

<value>2696.61</value>

<value>2774.35</value>

<value>2854.34</value>

<value>2936.63</value>

<value>3021.29</value>

<value>3108.40</value>

<value>3198.01</value>

<value>3290.21</value>

<value>3385.07</value>

<value>3482.66</value>

<value>3583.06</value>

<value>3686.36</value>

<value>3792.64</value>

<value>3901.98</value>

<value>4014.48</value>

<value>4130.21</value>

<value>4249.29</value>

<value>4371.79</value>

<value>4497.83</value>

</output>

<output name="Estimated Monthly Loan Payments with Solar">

<value>206.27</value>

<value>206.27</value>

<value>206.27</value>

<value>206.27</value>

<value>206.27</value>

<value>206.27</value>

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<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

</output>

<output name="Estimated Annual Loan Payments (Including ITC Payment in Yr 2)">

<value>2062.72</value>

<value>12183.60</value>

<value>2475.26</value>

<value>2475.26</value>

<value>2475.26</value>

<value>2475.26</value>

<value>2475.26</value>

<value>2475.26</value>

<value>2475.26</value>

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<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

</output>

<output name="Tax Credits and Incentives">

<value>0.00</value>

<value>-9708.34</value>

<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

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<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

</output>

<output name="Total Annual Cost of Solar">

<value>2062.72</value>

<value>2475.26</value>

<value>2475.26</value>

<value>2475.26</value>

<value>2475.26</value>

<value>2475.26</value>

<value>2475.26</value>

<value>2475.26</value>

<value>2475.26</value>

<value>2475.26</value>

<value>3290.26</value>

<value>2475.26</value>

<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

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<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

<value>774.28</value>

<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

<value>0.00</value>

</output>

<output name="Cumulative Cost of Solar">

<value>2062.72</value>

<value>4537.98</value>

<value>7013.24</value>

<value>9488.50</value>

<value>11963.76</value>

<value>14439.02</value>

<value>16914.27</value>

<value>19389.53</value>

<value>21864.79</value>

<value>24340.05</value>

<value>27630.31</value>

<value>30105.57</value>

<value>30105.57</value>

<value>30105.57</value>

<value>30105.57</value>

<value>30105.57</value>

<value>30105.57</value>

<value>30105.57</value>

<value>30105.57</value>

<value>30105.57</value>

<value>30879.85</value>

<value>30879.85</value>

<value>30879.85</value>

<value>30879.85</value>

<value>30879.85</value>

</output>

<output name="Estimated Annual Loan Payments (total)">

<value>38998.91</value>

</output>

<output name="Tax Credits and Incentives (total)">

<value>-9708.34</value>

</output>

<output name="Interest on Loan">

<value>6637.79</value>

</output>

<output name="O and M Cost">

<value>1589.28</value>

</output>

<output name="Estimated Gross System Cost">

<value>40588.19</value>

</output>

<output name="ITC Incentives">

<value>-9708.34</value>

</output>

<output name="SREC Incentives">

<value>0.00</value>

</output>

<output name="Upfront Rebates">

<value>0.00</value>

</output>

<output name="PBIs">

<value>0.00</value>

</output>

<output name="Net Cost After Incentives">

<value>30879.85</value>

</output>

<output name="Gross sales tax">

<value>673.92</value>

</output>

<output name="Cash Discount">

<value>1584.36</value>

</output>

<output name="Resign Flag">

<value>No Resign</value>

</output>

<output name="Customer unique ID">

<value>1591031</value>

</output>

<output name="Proposal ID">

<value>CA-PER-15002278</value>

</output>

<output name="ModSolar call version ID">

<value>1.00.01</value>

</output>

<output name="Unique financial run identifier">

<value>00017831-1456688979</value>

</output>

<output name="Financial model version">

<value>1456688980</value>

</output>

<output name="Timestamp">

<value>1456688979</value>

</output>

</batchoutput>

</abc>

**Finprog\_v2 input for PPA:**

{

"SunEdCustId": "6611529",

"Quote": {

"proposaltitle": "abc",

"PurchaseType": "PPA",

"FinancingProgram": "PPA 1.0",

"Year1Production": 10414,

"CurrentUtilityCost": 2308,

"CustomerPrepayment": 0,

"PeriodicRentEscalation": "0.0000",

"PostSolarTariff": "Residential - (E-1)",

"PostSolarUtilityCost": 85,

"PreSolarTariff": "Residential - (E-1)",

"ProposalID": "CA-TL--33435920",

"SubstantialCompletionDate": "07/31/2015",

"UtilityIndex": "734",

"YearlyUsage": 10020,

"Rebate": 0,

"lastYear": "25",

"Credits": "2000",

"MasterTariffId": "521",

"Usage": [

"880",

"772",

"846",

"801",

"810",

"821",

"815",

"841",

"858",

"857",

"831",

"889"

],

"VariablePricing": false,

"YearsSavings": "24,589",

"TaxRate": "0",

"ProposalTitle": "TL-Navya's proposal",

"Derate": "0.8831",

"SystemSize": "6.75",

"UtilityProvider": "Pacific Gas & Electric Co",

"UpfrontRebateAssumptionsMax": 0,

"UpfrontRebateAssumptions": 0,

"ITCChecked": "false",

"PPARate": "0.190",

"ASP": "3.74"

},

"Array": [

{

"ArrayNumber": "1",

"Azimuth": "180.00",

"InverterId": "SE6000A-US-U",

"InverterModel": "SolarEdge Technologies",

"ModuleQuantity": "25",

"ModuleType": "SunEdison 270 - Black on Black",

"Orientation": "Portrait",

"Shading": [

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97",

"97"

],

"MonthlyProduction": [

"498",

"629",

"867",

"992",

"1097",

"1138",

"1194",

"1120",

"1012",

"789",

"549",

"529"

],

"SystemSize": "6.75",

"Tilt": "20"

}

],

"System": {

"InverterManufacturer": "SolarEdge Technologies",

"InverterQuantity": "1",

"ModuleId": "SunEdison 270 - Black on Black",

"ModuleQuantity": "25",

"MountingType": "sloped roof",

"PanelSize": "270",

"totalCost": "",

"InverterType": "Optimized",

"InverterId": "SE6000A-US-U",

"InverterModel": "SE6000A-US-U"

},

"Contract": {

"installer.client.name": "Complete Solar Inc.",

"calcMap.dealerName": "CS Dealer Inc.",

"product\_type": "PV",

"installer.client.phone": "8772994943",

"calcMap.currentDate": "06/25/2015"

}

}

**W&S XML Input for PPA:**

Refer to the input names in blue color for names of fields:

<?xml version=*"1.0"* encoding=*"utf-8"*?>

<abc xmlns=*"http://www.warren-selbert.com"* xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*>

<username>#[flowVars['financialModel.username']]</username>

<password>#[flowVars['financialModel.password']]</password>

<version>2</version>

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<filename>#[flowVars['FM\_LEASE\_OR\_BB\_FILE\_NAME']]</filename>

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<input name=*"PPA Rate"*>#[message.payload['Quote']['PPARate']]</input>

<input name=*"System Size (W)"*>#[message.payload['Quote']['SystemSize']]</input>

<input name=*"PV W/Panel"*>270</input>

<input name=*"Year 1 Production"*>#[message.payload['Quote']['Year1Production']]</input>

<input name=*"Customer Prepayment"*>#[message.payload['Quote']['CustomerPrepayment']]</input>

<input name=*"Upfront Rebate Assumptions ($/W) DC"*>#[message.payload['Quote']['UpfrontRebateAssumptions']]</input>

<input name=*"State"*>#[processStateName2CodeMapping(message.payload['SunEdCustomer']['State'])]</input>

<input name=*"Utility Index (Genability utility ID)"*>#[message.payload['Quote']['UtilityIndex']]</input>

<input name=*"Channel Type"*>#[message.payload['Quote']['ChannelType']]</input>

<input name=*"Last Year (at 0.7%)"*>#[message.payload['Quote']['lastYear']]</input>

<input name=*"Periodic Rent Escalation"*>#[message.payload['Quote']['PeriodicRentEscalation']]</input>

<input name=*"PBI Fraction"*>0.0</input>

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<input name=*"PBI Annual Derate"*>0.0</input>

<input name=*"Substantial Completion Date"*>#[message.payload['Quote']['SubstantialCompletionDate']]</input>

<input name=*"State Sales/Use Tax Rate"*>#[message.payload['Quote']['StateTaxRate']]</input>

<input name=*"Current Utility Cost"*>#[message.payload['Quote']['CurrentUtilityCost']]</input>

<input name=*"Post-Solar Utility Cost"*>#[message.payload['Quote']['PostSolarUtilityCost']]</input>

<input name=*"Resign Flag"*>#[flowVars['ResignFlag']]</input>

<input name=*"Customer unique ID"*>#[message.payload['SunEdCustId']]</input>

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<input name=*"ModSolar call version ID"*>1.00.01</input>

<input name=*"IP address"*>#[java.net.InetAddress.getLocalHost().getHostAddress()]</input>

<input name=*"Authorization code"*>MODSOLAR-021513</input>

<input name=*"APIBatchID"*>1</input>

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**Output XML:**

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<output name="Electric Degradation (Yr 1-25)"><value>0.5%</value></output>

<output name="Electric Degradation (Yr 26-30)"><value>1%</value></output>

<output name="Start Date"><value> 6/30/2015</value></output>

<output name="PIS Timing Lag"><value>3</value></output>

<output name="Billing Timing Lag"><value>1</value></output>

<output name="Rebate Lag"><value>1</value></output>

<output name="SREC Lag"><value>1</value></output>

<output name="PBI Lag"><value>1</value></output>

<output name="Consumer Default Rate"><value>0.5%</value></output>

<output name="Lease Term"><value>20</value></output>

<output name="Appraised value by state / Max ASP"><value>6.00</value></output>

<output name="Residual Input"><value>50%</value></output>

<output name="Lease Extension To"><value>30</value></output>

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<output name="O and M Esc Rate"><value>2%</value></output>

<output name="Total Insured Value"><value>3.42</value></output>

<output name="Insurance Esc Rate"><value>-4%</value></output>

<output name="Liability Rate"><value>14.00</value></output>

<output name="Liability Rate Esc"><value>2%</value></output>

<output name="Property Damage Coverage"><value>0.19</value></output>

<output name="Asset Management Input">

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<value>68.52</value>

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</output>

<output name="Asset Management Esc Rate"><value>0%</value></output>

<output name="SREC Assumptions">

<value>0.00</value>

</output>

<output name="Maximum Solar System Premium Ratio"><value>100%</value></output>

<output name="Investment Tax Credit"><value>30%</value></output>

<output name="Corporate Tax Rate"><value>35%</value></output>

<output name="WACC"><value>7.63%</value></output>

<output name="Non-Auto Pay Amount"><value>15.00</value></output>

<output name="Down Payment"><value>0.00</value></output>

<output name="Solar Water Heater Backup"><value>Gas</value></output>

<output name="Useful Life"><value>35</value></output>

<output name="Bad Debt Input"><value>0.25%</value></output>

<output name="Energy Value"><value>0.84</value></output>

<output name="ASP/W Guess"><value>3.63</value></output>

<output name="Margin Amount"><value>0.00</value></output>

<output name="PPA Allowed"><value>Yes</value></output>

<output name="Resign Flag"><value>Resign 12/18/2015</value></output>

<output name="Customer Lease Payments">

<value>133.06</value>

<value>132.37</value>

<value>131.68</value>

<value>130.99</value>

<value>130.31</value>

<value>129.62</value>

<value>128.93</value>

<value>128.24</value>

<value>127.55</value>

<value>126.86</value>

<value>126.17</value>

<value>125.48</value>

<value>124.79</value>

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<value>123.41</value>

<value>122.72</value>

<value>122.03</value>

<value>121.34</value>

<value>120.65</value>

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<value>119.27</value>

<value>118.58</value>

<value>117.90</value>

<value>117.21</value>

<value>116.52</value>

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<value>109.62</value>

</output>

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<value>20957.59</value>

<value>19317.11</value>

<value>17536.09</value>

<value>15663.50</value>

<value>13695.50</value>

<value>13282.18</value>

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<value>11911.40</value>

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<value>10303.35</value>

<value>9707.73</value>

<value>9075.79</value>

<value>8406.75</value>

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<value>3961.97</value>

<value>3623.74</value>

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<output name="Consumer Lease Full Prepayment"><value>0.00</value></output>

<output name="Dealer ASP/W"><value>3.93</value></output>

<output name="Dealer ASP"><value>21229.78</value></output>

<output name="PIS Date"><value> 9/14/2015</value></output>

<output name="First Lease Payment Date"><value> 9/ 1/2015</value></output>

<output name="Net Solar Cost"><value>1596.76</value></output>

<output name="Solar System Premium Ratio"><value>81.80123%</value></output>

<output name="Premium Ratio Test"><value>Pass</value></output>

<output name="Max PPA Rate"><value>0.232</value></output>

<output name="Total of Payments (Yr 1-20)"><value>30363.26</value></output>

<output name="Total of Payments (Yr 21-30)"><value>6908.26</value></output>

<output name="Total of Payments (Yr 1-30)"><value>37271.52</value></output>

<output name="Estimated Price/kWh (Annual)">

<value>0.190</value>

<value>0.190</value>

<value>0.190</value>

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</output>

<output name="Estimated Price/kWh (Lease Term-weighted average over the 20 years)"><value>0.190</value></output>

<output name="Year Numbers">

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<value>4</value>

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<value>16</value>

<value>17</value>

<value>18</value>

<value>19</value>

<value>20</value>

</output>

<output name="Periodicity of Payments">

<value>12 months beginning 9/ 1/2015</value>

<value>12 months beginning 9/ 1/2016</value>

<value>12 months beginning 9/ 1/2017</value>

<value>12 months beginning 9/ 1/2018</value>

<value>12 months beginning 9/ 1/2019</value>

<value>12 months beginning 9/ 1/2020</value>

<value>12 months beginning 9/ 1/2021</value>

<value>12 months beginning 9/ 1/2022</value>

<value>12 months beginning 9/ 1/2023</value>

<value>12 months beginning 9/ 1/2024</value>

<value>12 months beginning 9/ 1/2025</value>

<value>12 months beginning 9/ 1/2026</value>

<value>12 months beginning 9/ 1/2027</value>

<value>12 months beginning 9/ 1/2028</value>

<value>12 months beginning 9/ 1/2029</value>

<value>12 months beginning 9/ 1/2030</value>

<value>12 months beginning 9/ 1/2031</value>

<value>12 months beginning 9/ 1/2032</value>

<value>12 months beginning 9/ 1/2033</value>

<value>12 months beginning 9/ 1/2034</value>

</output>

<output name="PPA Payments (No Auto Pay)">

<value>148.06</value>

<value>147.37</value>

<value>146.68</value>

<value>145.99</value>

<value>145.31</value>

<value>144.62</value>

<value>143.93</value>

<value>143.24</value>

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<value>134.96</value>

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<output name="Sales/Use Taxes (No Auto Pay)">

<value>12.96</value>

<value>12.90</value>

<value>12.83</value>

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<value>12.71</value>

<value>12.65</value>

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<value>11.99</value>

<value>11.93</value>

<value>11.87</value>

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</output>

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<value>159.52</value>

<value>158.77</value>

<value>158.02</value>

<value>157.27</value>

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<value>149.02</value>

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<output name="PPA Payments (Yes Auto Pay)">

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<value>131.68</value>

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<output name="Sales/Use Taxes (Yes Auto Pay)">

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<output name="Total Monthly Payments (Yes Auto Pay)">

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<value>143.21</value>

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<value>131.21</value>

<value>130.46</value>

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<output name="Estimated Taxes on Down Payment"><value>0.00</value></output>

<output name="First Year Monthly Lease Payment"><value>133.06</value></output>

<output name="First Year Monthly Sales/Use Tax Payment"><value>11.64</value></output>

<output name="Total Sales/Use Tax Paid (No Auto Pay)"><value>2971.79</value></output>

<output name="Total Sales/Use Tax Paid (Yes Auto Pay)"><value>2656.79</value></output>

<output name="Total Lease Payments (No Auto Pay)"><value>36935.05</value></output>

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<value>6923.50</value>

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<output name="Total Adjusted Cost"><value>21229.78</value></output>

<output name="Initial Annual Revenue (Yr 1 Amount)"><value>1596.76</value></output>

<output name="Extended Annual Revenue (Yr 21 Amount)"><value>715.65</value></output>

<output name="Total Revenue"><value>37271.52</value></output>

<output name="Effective After-Tax Yield"><value>7.63%</value></output>

<output name="Adjusted ASP/W"><value>3.93</value></output>

<output name="Total Rebate"><value>0.00</value></output>

<output name="Customer unique ID"><value>8219557</value></output>

<output name="Proposal ID"><value>CA-PPA-87227554</value></output>

<output name="ModSolar call version ID"><value>1.00.01</value></output>

<output name="Unique financial run identifier"><value>00002172-1460402389</value></output>

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**Derate Data :**

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