

# Mock Solar API Batch Report

Example report for an American neighborhood with 25 houses. Addresses, coordinates, and Solar API values are synthetic. Building crop imagery is copied from prior production batches and anonymized for demonstration.

<b>25</b>	<b>12</b>	<b>10</b>	<b>3</b>	<b>222.5 kW</b>	<b>314,487 kWh</b>	<b>\$50,866</b>
Homes screened	Priority homes	Good-fit homes	Review homes	Potential capacity	Annual production	Annual bill value

## Mock American neighborhood - 25 houses

Real rooftop crop imagery, anonymized with synthetic US addresses and Solar API values



### How to read this report

Each house is assigned a mock Solar API profile: roof area, usable roof area, annual sunlight, maximum array size, panel count, annual production, shade, and estimated annual bill value. The marked neighborhood image uses green for Priority, orange for Good fit, and red for Review. Per-house pages include a raw crop, a marked crop, and the key numbers a canvassing or sales team would need before outreach.

**Important:** This is not a real solar assessment. It is a demonstration report using synthetic US addresses and mock Solar API data with anonymized real building crops.

## Ranked Solar Opportunity List

Top candidates are ranked by recommendation tier, annual production, and shade. Values are mock estimates for report demonstration.

ID	Address	Tier	Max array	Panels	Annual kWh	Shade	Value	Payback
H18	1326 Pine Ridge Drive	Priority	11.9 kW	28	17,954	10%	\$3,052	11.6 yr
H22	1354 Sycamore Ridge Lane	Priority	12.4 kW	29	17,627	4%	\$2,644	13.9 yr
H17	1319 Pine Ridge Lane	Priority	12.4 kW	29	17,328	8%	\$2,945	12.7 yr
H07	1249 Cedar Ridge Lane	Priority	11.4 kW	27	17,033	10%	\$2,554	13.7 yr
H11	1277 Oak Ridge Ave	Priority	11.3 kW	27	16,373	8%	\$2,455	13.0 yr
H14	1298 Oak Ridge Ave	Priority	11.7 kW	28	16,226	12%	\$2,433	15.4 yr
H21	1347 Sycamore Ridge Ave	Priority	11.9 kW	28	15,560	10%	\$2,334	15.7 yr
H15	1305 Oak Ridge Lane	Priority	11.0 kW	26	15,343	8%	\$2,301	14.6 yr
H25	1375 Sycamore Ridge Lane	Priority	8.2 kW	19	12,351	4%	\$2,099	12.6 yr
H06	1242 Cedar Ridge Ave	Priority	8.1 kW	19	11,960	12%	\$2,152	10.9 yr
H20	1340 Pine Ridge Lane	Priority	8.5 kW	20	11,215	4%	\$2,018	12.0 yr
H01	1207 Maple Ridge Ave	Priority	7.8 kW	18	10,305	6%	\$1,648	14.8 yr
H03	1221 Maple Ridge Drive	Good fit	9.3 kW	22	13,739	22%	\$2,198	13.1 yr
H12	1284 Oak Ridge Lane	Good fit	9.4 kW	22	12,943	18%	\$2,200	13.9 yr
H08	1256 Cedar Ridge Drive	Good fit	7.9 kW	19	11,781	22%	\$1,884	13.0 yr

### Mock Solar API field definitions

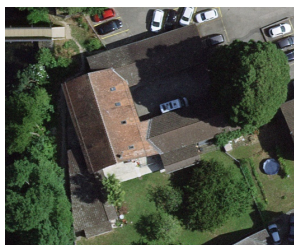
**Max array:** simulated roof capacity after usable area and shade assumptions. **Annual kWh:** simulated first-year energy production. **Value:** annual production multiplied by mock local utility rate. **Payback:** estimated gross system cost divided by estimated annual value, without incentives.

# House-Level Evidence Cards

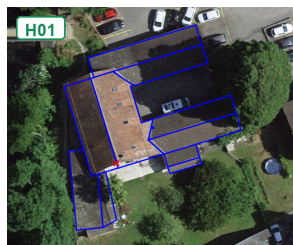
H01 | 1207 Maple Ridge Ave, Brookhaven, CO 80211

Priority

Raw crop



Marked crop

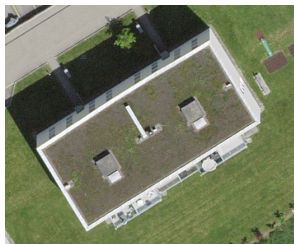


Lat / Lon	39.7562, -104.9943	Roof area	805 sq ft
Usable roof	543 sq ft	Annual sunlight	15,937 kWh
Max array	7.8 kW	Panels	18
Production	10,305 kWh/yr	Shade	6%
Annual value	\$1,648	Gross cost	\$24,390
Pitch / Azimuth	18 deg / 205 deg	Confidence	High

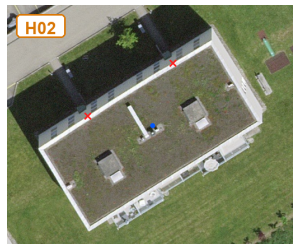
H02 | 1214 Maple Ridge Lane, Brookhaven, CO 80211

Good fit

Raw crop



Marked crop



Lat / Lon	39.75628, -104.99308	Roof area	875 sq ft
Usable roof	497 sq ft	Annual sunlight	15,215 kWh
Max array	7.1 kW	Panels	17
Production	9,843 kWh/yr	Shade	4%
Annual value	\$1,476	Gross cost	\$21,562
Pitch / Azimuth	33 deg / 205 deg	Confidence	Medium

# House-Level Evidence Cards

## H03 | 1221 Maple Ridge Drive, Brookhaven, CO 80211

Good fit

Raw crop



Marked crop

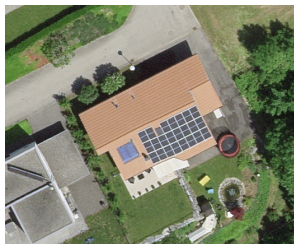


<b>Lat / Lon</b>	39.75636, -104.99186	<b>Roof area</b>	1,383 sq ft
<b>Usable roof</b>	654 sq ft	<b>Annual sunlight</b>	20,396 kWh
<b>Max array</b>	9.3 kW	<b>Panels</b>	22
<b>Production</b>	13,739 kWh/yr	<b>Shade</b>	22%
<b>Annual value</b>	\$2,198	<b>Gross cost</b>	\$28,895
<b>Pitch / Azimuth</b>	24 deg / 175 deg	<b>Confidence</b>	Medium

## H04 | 1228 Maple Ridge Ave, Brookhaven, CO 80211

Good fit

Raw crop



Marked crop



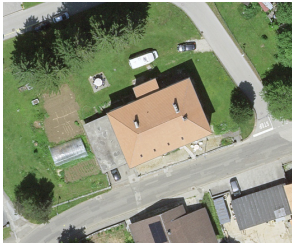
<b>Lat / Lon</b>	39.75644, -104.99064	<b>Roof area</b>	884 sq ft
<b>Usable roof</b>	427 sq ft	<b>Annual sunlight</b>	12,382 kWh
<b>Max array</b>	6.1 kW	<b>Panels</b>	14
<b>Production</b>	7,833 kWh/yr	<b>Shade</b>	14%
<b>Annual value</b>	\$1,331	<b>Gross cost</b>	\$18,659
<b>Pitch / Azimuth</b>	33 deg / 190 deg	<b>Confidence</b>	Medium

# House-Level Evidence Cards

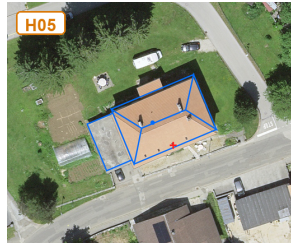
## H05 | 1235 Maple Ridge Lane, Brookhaven, CO 80211

Good fit

Raw crop



Marked crop



Lat / Lon	39.75652, -104.98942	Roof area	860 sq ft
Usable roof	474 sq ft	Annual sunlight	14,849 kWh
Max array	6.8 kW	Panels	16
Production	9,977 kWh/yr	Shade	18%
Annual value	\$1,696	Gross cost	\$20,706
Pitch / Azimuth	18 deg / 214 deg	Confidence	Medium

## H06 | 1242 Cedar Ridge Ave, Brookhaven, CO 80211

Priority

Raw crop



Marked crop



Lat / Lon	39.75735, -104.99436	Roof area	861 sq ft
Usable roof	564 sq ft	Annual sunlight	18,311 kWh
Max array	8.1 kW	Panels	19
Production	11,960 kWh/yr	Shade	12%
Annual value	\$2,152	Gross cost	\$23,425
Pitch / Azimuth	24 deg / 175 deg	Confidence	High

# House-Level Evidence Cards

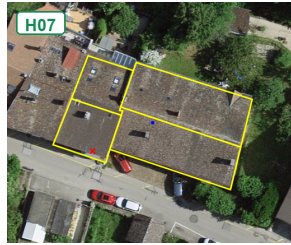
**H07 | 1249 Cedar Ridge Lane, Brookhaven, CO 80211**

Priority

Raw crop



Marked crop



<b>Lat / Lon</b>	39.75743, -104.99314	<b>Roof area</b>	1,466 sq ft
<b>Usable roof</b>	797 sq ft	<b>Annual sunlight</b>	25,437 kWh
<b>Max array</b>	11.4 kW	<b>Panels</b>	27
<b>Production</b>	17,033 kWh/yr	<b>Shade</b>	10%
<b>Annual value</b>	\$2,554	<b>Gross cost</b>	\$34,895
<b>Pitch / Azimuth</b>	30 deg / 214 deg	<b>Confidence</b>	High

**H08 | 1256 Cedar Ridge Drive, Brookhaven, CO 80211**

Good fit

Raw crop



Marked crop



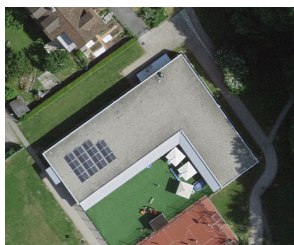
<b>Lat / Lon</b>	39.75751, -104.99192	<b>Roof area</b>	1,168 sq ft
<b>Usable roof</b>	550 sq ft	<b>Annual sunlight</b>	19,574 kWh
<b>Max array</b>	7.9 kW	<b>Panels</b>	19
<b>Production</b>	11,781 kWh/yr	<b>Shade</b>	22%
<b>Annual value</b>	\$1,884	<b>Gross cost</b>	\$24,490
<b>Pitch / Azimuth</b>	21 deg / 165 deg	<b>Confidence</b>	Medium

# House-Level Evidence Cards

H09 | 1263 Cedar Ridge Ave, Brookhaven, CO 80211

Good fit

Raw crop



Marked crop

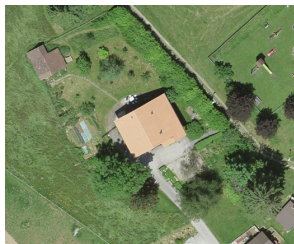


Lat / Lon	39.75759, -104.9907	Roof area	1,054 sq ft
Usable roof	480 sq ft	Annual sunlight	15,995 kWh
Max array	6.9 kW	Panels	16
Production	10,269 kWh/yr	Shade	18%
Annual value	\$1,745	Gross cost	\$19,720
Pitch / Azimuth	27 deg / 214 deg	Confidence	Medium

H10 | 1270 Cedar Ridge Lane, Brookhaven, CO 80211

Good fit

Raw crop



Marked crop



Lat / Lon	39.75767, -104.98948	Roof area	922 sq ft
Usable roof	486 sq ft	Annual sunlight	14,769 kWh
Max array	6.9 kW	Panels	16
Production	9,662 kWh/yr	Shade	12%
Annual value	\$1,642	Gross cost	\$21,610
Pitch / Azimuth	30 deg / 190 deg	Confidence	Medium

# House-Level Evidence Cards

H11 | 1277 Oak Ridge Ave, Brookhaven, CO 80211

Priority

Raw crop



Marked crop



Lat / Lon	39.7585, -104.99442	Roof area	1,301 sq ft
Usable roof	788 sq ft	Annual sunlight	26,179 kWh
Max array	11.3 kW	Panels	27
Production	16,373 kWh/yr	Shade	8%
Annual value	\$2,455	Gross cost	\$31,956
Pitch / Azimuth	33 deg / 190 deg	Confidence	High

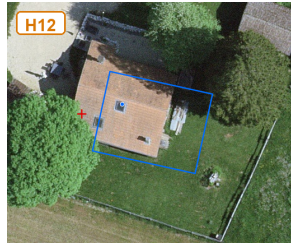
H12 | 1284 Oak Ridge Lane, Brookhaven, CO 80211

Good fit

Raw crop



Marked crop



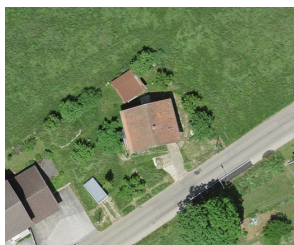
Lat / Lon	39.75858, -104.9932	Roof area	1,170 sq ft
Usable roof	655 sq ft	Annual sunlight	18,823 kWh
Max array	9.4 kW	Panels	22
Production	12,943 kWh/yr	Shade	18%
Annual value	\$2,200	Gross cost	\$30,521
Pitch / Azimuth	33 deg / 214 deg	Confidence	Medium

# House-Level Evidence Cards

H13 | 1291 Oak Ridge Drive, Brookhaven, CO 80211

Review

Raw crop



Marked crop

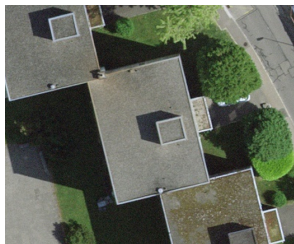


Lat / Lon	39.75866, -104.99198	Roof area	1,053 sq ft
Usable roof	556 sq ft	Annual sunlight	17,879 kWh
Max array	7.9 kW	Panels	19
Production	10,625 kWh/yr	Shade	27%
Annual value	\$1,806	Gross cost	\$23,478
Pitch / Azimuth	18 deg / 214 deg	Confidence	Low

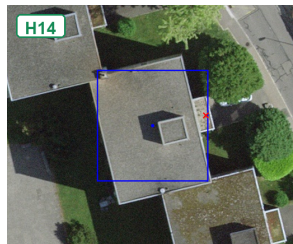
H14 | 1298 Oak Ridge Ave, Brookhaven, CO 80211

Priority

Raw crop



Marked crop



Lat / Lon	39.75874, -104.99076	Roof area	1,292 sq ft
Usable roof	821 sq ft	Annual sunlight	26,005 kWh
Max array	11.7 kW	Panels	28
Production	16,226 kWh/yr	Shade	12%
Annual value	\$2,433	Gross cost	\$37,381
Pitch / Azimuth	33 deg / 205 deg	Confidence	High

# House-Level Evidence Cards

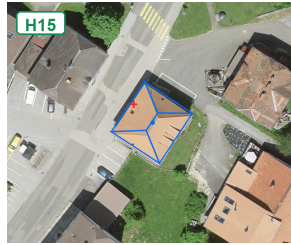
H15 | 1305 Oak Ridge Lane, Brookhaven, CO 80211

Priority

Raw crop



Marked crop



Lat / Lon	39.75882, -104.98954	Roof area	1,162 sq ft
Usable roof	772 sq ft	Annual sunlight	26,063 kWh
Max array	11.0 kW	Panels	26
Production	15,343 kWh/yr	Shade	8%
Annual value	\$2,301	Gross cost	\$33,616
Pitch / Azimuth	18 deg / 165 deg	Confidence	High

H16 | 1312 Pine Ridge Ave, Brookhaven, CO 80211

Good fit

Raw crop



Marked crop



Lat / Lon	39.75965, -104.99448	Roof area	1,025 sq ft
Usable roof	499 sq ft	Annual sunlight	17,328 kWh
Max array	7.1 kW	Panels	17
Production	10,504 kWh/yr	Shade	12%
Annual value	\$1,575	Gross cost	\$19,830
Pitch / Azimuth	18 deg / 205 deg	Confidence	Medium

# House-Level Evidence Cards

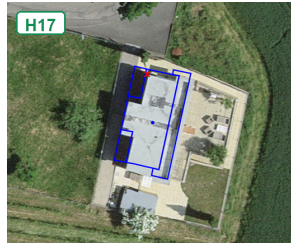
H17 | 1319 Pine Ridge Lane, Brookhaven, CO 80211

Priority

Raw crop



Marked crop



Lat / Lon	39.75973, -104.99326	Roof area	1,455 sq ft
Usable roof	875 sq ft	Annual sunlight	28,531 kWh
Max array	12.4 kW	Panels	29
Production	17,328 kWh/yr	Shade	8%
Annual value	\$2,945	Gross cost	\$37,448
Pitch / Azimuth	21 deg / 205 deg	Confidence	High

H18 | 1326 Pine Ridge Drive, Brookhaven, CO 80211

Priority

Raw crop



Marked crop



Lat / Lon	39.75981, -104.99204	Roof area	1,510 sq ft
Usable roof	835 sq ft	Annual sunlight	26,704 kWh
Max array	11.9 kW	Panels	28
Production	17,954 kWh/yr	Shade	10%
Annual value	\$3,052	Gross cost	\$35,390
Pitch / Azimuth	18 deg / 175 deg	Confidence	High

# House-Level Evidence Cards

H19 | 1333 Pine Ridge Ave, Brookhaven, CO 80211

Good fit

Raw crop



Marked crop



Lat / Lon	39.75989, -104.99082	Roof area	801 sq ft
Usable roof	469 sq ft	Annual sunlight	12,712 kWh
Max array	6.7 kW	Panels	16
Production	8,827 kWh/yr	Shade	14%
Annual value	\$1,412	Gross cost	\$18,445
Pitch / Azimuth	18 deg / 175 deg	Confidence	Medium

H20 | 1340 Pine Ridge Lane, Brookhaven, CO 80211

Priority

Raw crop



Marked crop



Lat / Lon	39.75997, -104.9896	Roof area	1,118 sq ft
Usable roof	597 sq ft	Annual sunlight	17,863 kWh
Max array	8.5 kW	Panels	20
Production	11,215 kWh/yr	Shade	4%
Annual value	\$2,018	Gross cost	\$24,301
Pitch / Azimuth	33 deg / 205 deg	Confidence	High

# House-Level Evidence Cards

H21 | 1347 Sycamore Ridge Ave, Brookhaven, CO 80211

Priority

Raw crop



Marked crop



Lat / Lon	39.7608, -104.99454	Roof area	1,264 sq ft
Usable roof	834 sq ft	Annual sunlight	24,275 kWh
Max array	11.9 kW	Panels	28
Production	15,560 kWh/yr	Shade	10%
Annual value	\$2,334	Gross cost	\$36,735
Pitch / Azimuth	27 deg / 190 deg	Confidence	High

H22 | 1354 Sycamore Ridge Lane, Brookhaven, CO 80211

Priority

Raw crop



Marked crop



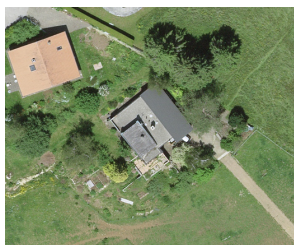
Lat / Lon	39.76088, -104.99332	Roof area	1,469 sq ft
Usable roof	982 sq ft	Annual sunlight	26,043 kWh
Max array	12.4 kW	Panels	29
Production	17,627 kWh/yr	Shade	4%
Annual value	\$2,644	Gross cost	\$36,654
Pitch / Azimuth	18 deg / 175 deg	Confidence	High

# House-Level Evidence Cards

H23 | 1361 Sycamore Ridge Drive, Brookhaven, CO 80211

Review

Raw crop



Marked crop



Lat / Lon	39.76096, -104.9921	Roof area	1,239 sq ft
Usable roof	518 sq ft	Annual sunlight	13,868 kWh
Max array	7.4 kW	Panels	17
Production	9,663 kWh/yr	Shade	27%
Annual value	\$1,739	Gross cost	\$21,289
Pitch / Azimuth	30 deg / 165 deg	Confidence	Low

H24 | 1368 Sycamore Ridge Ave, Brookhaven, CO 80211

Review

Raw crop



Marked crop



Lat / Lon	39.76104, -104.99088	Roof area	795 sq ft
Usable roof	448 sq ft	Annual sunlight	16,031 kWh
Max array	6.4 kW	Panels	15
Production	9,546 kWh/yr	Shade	27%
Annual value	\$1,527	Gross cost	\$18,144
Pitch / Azimuth	27 deg / 175 deg	Confidence	Low

# House-Level Evidence Cards

H25 | 1375 Sycamore Ridge Lane, Brookhaven, CO 80211

Priority

Raw crop



Marked crop



<b>Lat / Lon</b>	39.76112, -104.98966	<b>Roof area</b>	948 sq ft
<b>Usable roof</b>	574 sq ft	<b>Annual sunlight</b>	21,085 kWh
<b>Max array</b>	8.2 kW	<b>Panels</b>	19
<b>Production</b>	12,351 kWh/yr	<b>Shade</b>	4%
<b>Annual value</b>	\$2,099	<b>Gross cost</b>	\$26,436
<b>Pitch / Azimuth</b>	27 deg / 214 deg	<b>Confidence</b>	High