

SUNPOWER®

1 November 4, 2022

2

3 **Submitted via Regulations.gov**

4

5 Internal Revenue Service

6 Room 5203

7 P.O. Box 7604

8 Ben Franklin Station

9 Washington, DC 20044

10

11 **RE: SunPower Corporation Recommendations to Treasury**

12

13 We appreciate the opportunity to provide these comments to the U.S. Department of Treasury
14 (“Treasury”) and the Internal Revenue Service’s (“IRS”). SunPower Corporation is one of the nation's
15 leading providers of residential solar, battery storage and energy services serving American residential
16 consumers (individuals, families, homeowners, and renters). SunPower employees and our partners have
17 kitchen table conversations with consumers every day. Because our technology is installed for the
18 distinct purpose of serving people at home, SunPower is focused on providing and communicating the
19 clean energy benefits of the Inflation Reduction Act (IRA) directly to American consumers. We are
20 committed to working with federal agencies, environmental and conservation organizations, Tribal
21 governments, state agencies, and other stakeholders to ensure the consumer benefits of the IRA reach as
22 many Americans – from all walks of life – as quickly and effectively as possible.

23

24 Residential rooftop solar represents a large portion of energy deployment in this country and a quickly
25 growing part of our national economy. Residential solar accounted for 29 percent of all installed solar
26 capacity nationally and 36 percent in California (the largest solar market in the U.S.)^[1] According to the
27 US Solar Market Insight Report for Q3 2022, an estimated 7.2 gigawatts (GW) *additional* residential
28 solar is expected to be installed between 2023 and 2027 as a result of the IRA, which equates to
29 approximately 900,000 more homes with residential solar. When compared to other solar project types
30 and sizes, residential rooftop solar has a relatively fast installation timeframe, making it one of the most
31 expedient ways to realize electric generation from clean energy resources. According to the Solar Energy
32 Industries Association National Solar Jobs Census 2020, there were 154,610 jobs in solar in 2020, with
33 84,948 (or 55%) in residential solar alone. The jobs that residential solar provides are local to where
34 residential projects are installed, which means people are living and working in the communities where
35 consumers are being served.

36

37 **About SunPower**

38 SunPower is an American company established in 1985. We provide American residential consumers
39 with the bill savings and resiliency benefits of distributed solar, battery storage, electric vehicle (EV)
40 chargers, and utilize these technologies to provide electric grid services. We also provide consumers with

¹ Wood Mackenzie/SEIA US Solar Market Insight Report Q3 – 2022.

SUNPOWER®

41 associated financial products, including loans and equipment leases, to enable access to this critical
42 technology. We are committed to diversity, equity and inclusion as exemplified by our industry-leading
43 [25x25 Initiative](#). This initiative is designed to ensure the benefits of distributed solar and storage serve all
44 Americans.

45
46 SunPower currently serves more than 440,000 U.S. residential customers. Our business represents 11
47 percent of the total U.S. residential solar market.² We employ approximately 2,000 employees in 10 states
48 and the District of Columbia in addition to the 2,000+ employees and contractors who work for Blue
49 Raven Solar, a company wholly owned by SunPower, that does business in 40 cities across 21 states. We
50 also work with a robust network of more than 700 dealers – primarily independent, small business -
51 located in 45 states who, collectively, employ more than approximately 14,000 people. SunPower and/or
52 our dealers are licensed to do business in 49 states plus the District of Columbia.

53
54 Five examples of SunPower’s recent business partnerships include those with General Motors (GM), KB
55 Home, First Solar, IKEA and OhmConnect. The [SunPower-GM collaboration](#) includes developing a new
56 home energy system that will enable GM electric vehicles to provide backup energy to a home when
57 properly equipped. SunPower is GM’s preferred EV charger installation provider and its exclusive solar
58 provider. This collaboration brings together SunPower's home energy expertise and installation
59 capabilities with GM's leadership in EV and battery technology to help provide customers with more
60 resilient, sustainable and cost-effective energy.

61
62 Our partnership with KB Home is focused on building sustainable microgrid communities whereby
63 [SunPower and KB Home have partnered](#) to create first-of-their-kind, more sustainable, resilient, and low-
64 cost communities. With respect to our supply chain, we are [in late-stage discussions with First Solar](#) to
65 supply our customers with the world’s most advanced residential solar panel, manufactured in the US.
66 With respect to our sales and marketing, [we have teamed up with IKEA](#) to make residential solar easier to
67 access. And, finally, with respect to grid services, we are collaborating with [OhmConnect](#) to enhance grid
68 resiliency.

69
70 **SunPower comments to Treasury and IRS**
71 The following are our high-level comments to Treasury and IRS that will allow companies like ours
72 ensure the accelerated delivery of IRA benefits to millions more Americans through the rapid deployment
73 of our clean energy technology – especially residential solar and battery storage. These recommendations
74 are grounded in the need for transparency, consistency, certainty, and efficiency to provide individuals
75 and families with broad eligibility and streamlined access to residential clean energy.

76 77 **Section 25D Residential Clean Energy Credit**

² Wood Mackenzie/SEIA US Solar Market Insight Report Q3 – 2022. SunPower’s 11 percent residential market share represents SunPower, Blue Raven Solar, and our dealers.

- 78 • **Clarify that total cost and eligible expenses in the basis of the energy property are**
79 **defined broadly to include all reasonable costs associated with installing solar or storage**
80 **in compliance with local codes and best practices.**

81 The total cost or overall cost of construction should be inclusive of the cost to install solar or
82 storage in compliance with local codes and best practices. For storage installation this can
83 include the installation of heat alarms, gypsum board (drywall), panelboards and sub-
84 panelboards and associated upgrades and other building code requirements. For solar and
85 storage installation this can include panelboard and sub-panelboard upgrades, and permit and
86 interconnection application fees. In the case of new or larger system capacity upgrades,
87 panelboard or sub-panelboard upgrades can also be necessary in order to “enable the
88 installation and use of” such a system, and guidance that all such expenses can be included in
89 basis would be helpful to both consumers and installers.

- 90
91 • **Confirm that battery storage, when paired with solar, can charge directly from the grid,**
92 **regardless of installation date.**

93 Any storage installed in 2023 or later should no longer adhere to any requirement for the
94 storage facility to be powered by any minimum amount of renewable energy for purposes of
95 recapture. Treasury should also confirm that storage technologies installed prior to January 1,
96 2023, are no longer subject to any rule requiring the storage facility to be powered by any
97 minimum amount of renewable energy for the purposes of recapture either. Otherwise,
98 battery storage paired with solar installed any time before or after December 31, 2022, will be
99 required to be charged from a solar array for five years to avoid recapture, but standalone
100 battery storage installed the very next day – January 1, 2023 - would be able to be charged
101 directly from the grid in any amount. This is contrary to Congressional intent, as evidenced
102 by its expansion of the ITC to cover energy storage. And it will hamper residential solar
103 companies’ ability to deploy the power from their customers’ storage devices when the grid is
104 facing critical capacity shortfalls.

- 105
106 • **Confirm that battery storage, when paired with solar, is not subject to any system size**
107 **or capacity limitations.**

108 Existing IRS guidance for solar paired storage qualifying facilities does not include any
109 system size or capacity limitations. Only standalone battery storage qualifying systems
110 should be subject to the minimum 3 kilowatt hour (kWh) in statute.

- 111
112 • **Eligible costs should include roof repairs and replacements when connected to Section**
113 **25D qualifying equipment**

114 The costs of roof repairs or replacements that occur in conjunction with an installation of a
115 system that is eligible for Section 25D should be included as eligible costs. Roof replacement
116 or repairs fall within the definition of eligible labor costs and solar panels as states in I.R.C.
117 25D(e). Specifically, within I.R.C.25D(e)(2), “no expenditure relating to a solar panel or
118 other property installed as a roof (or portion thereof) shall fail to be treated as property
119 described in paragraph (1) or (2) of subsection (d) solely because it constitutes a structural

120 component of the structure on which it is installed.” Additionally, not allowing roof repairs or
121 replacements as eligible costs has equity implications. For example, many older single and
122 multi-family homes (which disproportionately house low-income residents) need roof repairs
123 or replacement before solar can be installed. So long as the sale of the Section 25D eligible
124 system is dependent upon the repair or replacement of the roof, those repair or replacement of
125 the roof costs should be eligible.
126

- 127 • **A retrofit or addition to an existing qualifying facility should be considered a new**
128 **qualifying facility.**

129 If a single-family or multifamily home that already has a qualifying facility has a retrofit or
130 addition to that qualifying facility installed (for example, the addition of a battery storage
131 system, or an expansion of the solar system), then just the retrofit or addition to that
132 qualifying facility (in this example case, the battery storage system only, or the expansion of
133 the solar system only) should be considered a new qualifying facility.
134
135

136 **Section 45L New Construction Credits**

- 137 • **When the Department of Energy (“DOE”) implements a successor program to the zero**
138 **energy ready homes program, the successor program should become the new**
139 **requirement for the highest incentive in Section 45L.**

140 Given the January 1, 2023 deadline in § 45L(c)(1)(B), it should be confirmed that there is the
141 ability to toll the effective date in the event the Department of Energy intends to update its
142 Zero Energy Ready home program or install a successor program after January 1, 2023, and
143 confirm that if the DOE revises or updates its zero energy ready home program, a dwelling
144 unit that is certified under such revised or updated program must meet the requirements of
145 this section.
146

147 **Section 48E Clean Electricity Investment Credit**

- 148 • **Treasury and IRS should specify which costs qualify under interconnection costs.**

149 Interconnection property should include all items, studies and improvements necessary to
150 apply for and connect the facility to the utility distribution or transmission system. Such
151 property may include any type of interconnection application fees, panelboard or sub-
152 panelboard upgrades, and any upgrades necessary to reliably connect the system, software
153 and database costs (e.g., dynamic load management or communications software).

154 Residential systems can demonstrate eligible interconnection costs through a combination of
155 the customer contract (which, for example, accounts for panelboard and sub-panelboard
156 upgrades) and utility interconnection documents.
157

- 158 • **Eligible costs should include roof repairs and replacements when connected to Section**
159 **48 qualifying equipment**

160 The costs of roof repairs or replacements that occur in conjunction with an installation of a
161 system that is eligible for Section 48 should be included as eligible costs. Not allowing roof

162 repairs or replacements as eligible costs has equity implications. For example, many older
163 single and multi-family homes (which are disproportionately housing low-income residents)
164 need roof repairs or replacement before solar can be installed. So long as the sale of the
165 Section 48 qualifying facility is dependent upon the repair or replacement of the roof, those
166 repair or replacement of the roof costs should be eligible.

167

168 • **A load controller used on a single-household’s solar plus storage power system should**
169 **qualify under the definition of “microgrid” controller**

170 The definition of “microgrid” in the Act should be construed broadly, and it should be made
171 clear that it applies to both classic microgrids, which could involve many households or
172 businesses, as well as what are commonly known as “nanogrids,” which usually involve a
173 single household. Treasury should also make clear that based on the Act’s definition of
174 microgrid, a load controller used on a single-household’s solar plus storage power system is a
175 “microgrid controller” as that term is used in the Act.

176

177 • **Confirm that battery storage, when paired with solar, can charge directly from the grid,**
178 **regardless of installation date.**

179 Any storage installed in 2023 or later should no longer adhere to any requirement for the
180 storage facility to be powered by any minimum amount of renewable energy for purposes of
181 recapture. Treasury should also confirm that storage technologies installed prior to January 1,
182 2023, are no longer subject to any rule requiring the storage facility to be powered by any
183 minimum amount of renewable energy for the purposes of recapture either. Otherwise,
184 battery storage paired with solar installed any time before or after December 31, 2022, will be
185 required to be charged from a solar array for five years to avoid recapture, but standalone
186 battery storage installed the very next day – January 1, 2023 - would be able to be charged
187 directly from the grid in any amount. This is contrary to Congressional intent, as evidenced
188 by its expansion of the ITC to cover energy storage. And it will hamper residential solar
189 companies’ ability to deploy the power from their customers’ storage devices when the grid is
190 facing critical capacity shortfalls.

191

192 • **A retrofit or addition to an existing qualifying facility should be considered a new**
193 **qualifying facility.**

194 If a single-family or multifamily home that already has a qualifying facility has a retrofit or
195 addition to that qualifying facility installed (for example, the addition of a battery storage
196 system, or an expansion of the solar system), then just the retrofit or addition to that
197 qualifying facility (in this example case, the battery storage system only, or the expansion of
198 the solar system only) should be considered a new qualifying facility.

199

200 • **Confirm that battery storage, when paired with solar, is not subject to any system size**
201 **or capacity limitations.**

202 Existing IRS guidance for solar paired storage qualifying facilities does not include any
203 system size or capacity limitations. Only standalone battery storage qualifying systems
204 should be subject to the minimum 5 kilowatt hour (kWh) in statute.

205

206 **Section 48E Domestic Content Bonus Credit**

- 207 • **Ensure that solar paired with storage is considered a single qualifying facility for**
208 **purposes of domestic content bonus credit.**

209 For the purposes of the domestic content bonus credit as stated in IRC §45(b)(9)(B)(iii) a
210 solar paired storage system, which under existing IRS guidance qualifies as a single
211 qualifying facility for the purposes of the ITC, should continue to be considered a single
212 qualifying facility. Current guidance allows for solar paired storage systems to qualify as a
213 single qualifying facility for the distinct reason that a customer purchases the qualifying
214 facility within the same contract.

215

- 216 • **49 C.F.R. § 661 and related Federal Transit Administration (“FTA”) Guidance letters**
217 **and other interpretation of these regulations should guide the application of the IRA’s**
218 **domestic content provisions.**

219 Based on the FTA’s application of 49 C.F.R. § 661, domestic content is determined by first
220 identifying the: (i) end product; (ii) components, and (iii) subcomponents. This same three-
221 tiered approach should be adopted. Under the FTA approach, qualifying facilities, like a
222 residential solar facility, would be categorized as a manufactured end product. Components
223 of that end product would include those articles delivered to and fully integrated into the
224 qualifying facility. For example, in the case of a residential solar facility, manufactured
225 products would include only solar modules, battery storage (if applicable), inverters, racking,
226 and monitoring systems, and would not include installation and labor costs. As such, those
227 components listed in the prior sentence should be treated as manufactured products. In
228 addition, subcomponents of these manufactured products (e.g., fasteners) should not have to
229 comply with the 100% U.S. iron and steel requirement.

230

- 231 • **Clarify that ‘completion of construction’ includes consideration of delays by the utility**
232 **and/or the authority having jurisdiction (AHJ).**

233 Either of the two alternatives described below should be allowed as acceptable definitions of
234 ‘completion of construction’ to ensure that projects are not held to construction delays that
235 are outside of their control and outside the definition of ‘qualified facility.’

236

237 Alternative 1:

238 The “completion of construction date” should be the same as the placed in service date,
239 but only if the qualified facility would be considered the same upon completion of
240 construction as it would be when placed in service – i.e., when mechanical completion
241 and interconnection to a transmission facility have been accomplished. In other words,
242 interconnection equipment, other utility equipment, etc., that may connect to the qualified

243 facility after completion of construction but before mechanical completion should not be
244 considered part of the qualified facility.

245
246 Alternative 2:
247 The date of authority having jurisdiction (AHJ) inspection to determine the year to which
248 a project must meet domestic requirements can be used as the “completion of
249 construction” date given that utility upgrades have the potential to push a project to the
250 following year which could trigger a higher domestic content requirement.

- 251
- 252 • **Clarify that a ‘component of a qualified facility’ is the same as the definition of**
253 **‘component’ in 49 C.F.R. 661.3 and that a representation from the manufacturer**
254 **certifying domestic content manufacturing is sufficient evidence for eligibility.**
255 “Component of a qualified facility” should be defined consistent with the definition of
256 “component” in 49 C.F.R. § 661.3. In addition, it should be confirmed that the components of
257 the solar power plant end product are the solar modules, accompanying battery storage,
258 inverters, etc. Certification from the manufacturer to the purchaser demonstrating that they
259 meet the domestic content qualifications should be allowed to be submitted in order to qualify
260 for the domestic content adder. It would be detrimental to solar companies to require
261 evidence through submission of supply agreements which include proprietary and
262 competitively sensitive information.
263
 - 264 • **A retrofit or addition to an existing qualifying facility should be considered a new**
265 **qualifying facility for the purposes of domestic content requirements.**
266 If a single-family or multifamily home already has a qualifying facility installed, for example
267 a rooftop solar system, and a new qualifying facility is added to the home, (for example, a
268 battery storage system, or an expansion of the solar system), then only the new qualifying
269 facility, (in this example case, the battery storage system only, or the expansion of the solar
270 system only), should be held to the domestic content bonus credit requirements. Such
271 clarification is critical for both consumers and installers when navigating how the Section 48
272 domestic content bonus credit would apply to a project.
273
 - 274 • **Confirm that, as directed by statute, qualifying facilities will be eligible starting January**
275 **1, 2023.**
276 Qualifying facilities should be eligible for the energy communities bonus credit on or after
277 January 1, 2023, retroactively, even if there is not yet Treasury or IRS guidance issued prior
278 to January 1, 2023.

279 280 **Section 48E Labor Requirements**

- 281 • **Qualified facilities should be determined based on the maximum amount of alternating**
282 **current (“AC”) they can send out to the grid.**
283 In order to receive an increased credit amount, qualified facilities should be determined based
284 on the maximum amount AC that they can send out to the grid (i.e., post-inverter for inverter-

285 based resources). Facilities that include, for example, generation and storage assets that
286 exceed 1 megawatt AC (“MWAC”) could still qualify provided that their inverter(s) are not
287 capable of sending out 1 MWAC or more. This can be an inverter configuration or can be a
288 commercial limit based on an interconnection agreement with the interconnecting utility. For
289 purposes of this provision, the 1 megawatt should be defined as 1 megawatt of *real* power,
290 not as *apparent* or *reactive* power.

291

292 **Section 48E Energy Communities Bonus Credit**

293 We are generally aligned with the Solar Energy Industries Association (SEIA) more detailed
294 comments to the “Request for Comments on Prevailing Wage, Apprenticeship, Domestic
295 Content, and Energy Communities Requirements Under the Act Commonly Known as the
296 Inflation Reduction Act of 2022,” Notice 2022-51 (Oct. 5, 2022). Please consult SEIA’s
297 comments for our recommendations regarding Section 48 energy communities.

298

299 However, SEIA did not capture one critical issue in their comments related to prevention of
300 recapture risk and associated consumer protection. The designated energy community that is
301 available at date of the customer contract execution associated with a qualifying facility
302 should determine eligibility for the energy communities bonus credit, even if that designated
303 energy community changes at any point in the future. This will ensure that customers
304 receiving benefits associated with these qualifying facilities, and the companies selling the
305 qualifying facilities to them, can reasonably rely upon qualification for the energy
306 communities bonus credit at the time of sale.

307

- 308 • **Confirm that, as directed by statute, qualifying facilities will be eligible starting January**
309 **1, 2023.**

310 Qualifying facilities should be eligible for the energy communities bonus credit on or after
311 January 1, 2023, retroactively, even if there is not yet Treasury or IRS guidance issued prior
312 to January 1, 2023.

313

314 **Section 48E Low-Income Community and Low-Income Economic Benefit Project Bonus Credit**

- 315 • **Confirm that, as directed by statute, any qualifying facility that meets the requirements**
316 **for the low-income community or low-income economic benefit project bonus credit on**
317 **or after January 1, 2023, and ultimately receives Treasury approval, is eligible for the**
318 **bonus credit regardless of when Treasury issues program guidance.**

319 According to IRA statute, the low-income and low-income economic benefit project bonus
320 credits are effective as of January 1, 2023. However, the statute also provides that Treasury
321 has 180 days from the date of enactment to issue guidance. In the case that there is no
322 registration or application process available on January 1, 2023, Treasury should confirm that
323 applications can be submitted from that date retroactively.

324

- 325 • **Establish a program that is open to all, transparent, quick, and easy to use.**

326 Because the low-income bonus credits are limited to 1.8 gigawatts annually, the program
 327 should be designed with clear minimum capacity set-asides by facility type (single-family,
 328 multifamily, and off-site community solar) with an open pool available to those qualifying
 329 facilities should they exceed the minimum allocation within their set-aside. The following
 330 categories and minimum set-asides should be established:
 331

Recommended Eligible Project Categories and Minimum Set Aside Amounts	
Qualified Solar & Wind Facilities	Minimum Set Aside
Single-Family Residential Facilities	30% (540 MW)
Multifamily Residential Facilities	10% (180 MW)
Community Facilities	30% (540 MW)
Open Pool – for all qualified facilities once the minimum set asides have been reserved	30% (540 MW)

332
 333 We disagree with one component of SEIA’s comments on this subject. Importantly, the
 334 multifamily category should include *all* eligible multifamily project types. It should not be
 335 limited to just federally funded affordable housing projects.
 336

337 Treasury should establish a web-based interface to track capacity allocations (similar to
 338 PowerClerk used by the NYSun program). This approach will help taxpayers and installers
 339 by providing transparency into how to apply, how the added capacity will be allocated, and
 340 how quickly capacity is being filled. All of the program design components in these
 341 comments are dependent upon this web-based interface.
 342

343 The program should be designed as a first-come, first-served basis with a rolling project-by-
 344 project application period. Once the minimum set aside allocated capacity is fully reserved,
 345 any subsequent applications would be placed on a waiting list.
 346

347 The program should adopt specific deadlines for project completion based on project type.
 348 These deadlines should be:

- 349 • Single-family residential qualifying facilities should be granted a one-year initial
 350 reservation period.
- 351 • All other qualifying facility types should be granted a two-year initial reservation
 352 period.
- 353 • All qualifying facilities being installed on new construction residential and non-
 354 residential facilities (including those that are part of a qualified low-income
 355 residential housing project) should be granted an additional year in their initial
 356 reservation period. This would account for the time needed to construct the single-
 357 family or multi-family residential building.
- 358 • All projects should be permitted one six-month extension to the initial reservation
 359 period.

360
361 If a project is not completed within the specified timeline, the reserved allocated capacity
362 should be relinquished and returned to the category and minimum set-aside from which it was
363 reserved.

- 364
- 365 • **Clarify which data source will be used to determine low-income community bonus**
366 **credit with specific citation for an available online resource. Ensure that areas**
367 **qualifying as a low-income community at the contract execution date are not subject to**
368 **recapture if the area ceases to be a low-income community thereafter.**

369

370 Treasury should rely on the census tracts eligible for the New Markets Tax Credit, as
371 described in IRC Section 45(e), and make the data used to draw the census tracts publicly
372 available no later than December 31, 2022.

373

374 In addition, it is important to address a critical issue related to prevention of recapture risk
375 and associated consumer protection. The designated New Markets Tax Credit data that is
376 available at date of the customer contract execution associated with a qualifying facility
377 should determine eligibility for the low-income community bonus credit, even if that data
378 changes at any point in the future. This will ensure that customers receiving benefits
379 associated with these qualifying facilities, and the companies selling the qualifying facilities
380 to them, can reasonably rely upon qualification for the low-income community bonus credit
381 at the time of sale.

- 382
- 383 • **For single-family and multifamily projects, make the application and approval process**
384 **quick and simple by streamlining application requirements.**

385 Treasury should require basic application materials for on-site projects serving single-family
386 or multifamily homes as these projects operate on much faster development cycles compared
387 to larger off-site projects. To reduce duplication of materials submitted for eligibility,
388 Treasury should establish a registration process for companies to submit documentation
389 qualifying them to submit applications to reserve a credit allocation.

390

391 The registration process should require companies to submit 1) business license, and 2) proof
392 of or certificate of appropriate insurance. Next, to streamline the application and approval
393 process to reserve capacity for single-family and on-site multifamily projects, Treasury
394 should require 1) identifying information for the customer, installer, and the facility owner,
395 and 2) a copy of the signed contract between the developing firm and property owner. The
396 signed contract will clearly identify the address which is being used to qualify for the 10-
397 percentage point bonus credit available to projects in a low-income community.

398

399 Residential single-family and multi-family qualifying facilities should also be eligible for the
400 20-percentage point bonus credit available to low-income economic benefit projects, as long

401 as applicants demonstrate that at least 50% of the financial benefits of the project must go to
402 income-eligible households.

403
404 Treasury should publish a list of low-income qualifying federal programs (for example,
405 SNAP, Medicaid, SSI, TANF, Housing Choice Voucher Program, etc.) to be used as
406 acceptable evidence of low-income status. The list of low-income qualifying federal
407 programs should be the only requirement needed to demonstrate that at least 50% of the
408 financial benefits of the project must go to income-eligible households.

409
410 With respect to qualified low-income residential building projects, an equitable allocation of
411 the financial benefits should be the following: For the occupants of multi-family residential
412 projects, the applicant can either (1) where the tenant units are individually metered and state
413 and local interconnection rules so allow, allocate bill credits among all the customers living in
414 the building based on a standardized share (generally based on unit square footage or similar
415 basis not related to energy usage) of the project's annual output levelized monthly, or (2)
416 where such crediting is not possible, such as in master metered buildings or in areas not
417 permitting such credits, the property owner can commit to new incremental amenities or
418 services available equitably to all tenants.

419
420 The criteria for approval of applications should be transparent and automatic. Predefined
421 eligibility and application requirements are easy to administer, eliminate potentially
422 complicated project evaluation decisions for Treasury, and have been used to successfully
423 deploy solar in several states.

424

425 **Section 45X Advanced Manufacturing Production Credit**

- 426 • **Confirm that battery module encasing that meets industry standards be included in the**
427 **definition of eligible battery module technology which qualifies for this advanced**
428 **manufacturing production credit.**

429 The assembly of a battery storage system should qualify as a battery module so long as the
430 assembled product is certified by appropriate industry standards.

431

- 432 • **Require all eligible components to be certified or to comply with appropriate industry**
433 **safety and/or performance standards.**

434

- 435 • **Include optimizers in addition to microinverters as eligible components.**

436

- 437 • **Issue guidance on the apportionment of the credits and confirm that the contractual**
438 **owner of the design of the qualifying component is the sole qualifier for, and entitled to,**
439 **the tax credit.**

440 For the avoidance of doubt, if the owner of the design utilizes a contract manufacturer, the
441 contract manufacturer would not qualify for, or be entitled to, the tax credit.

442

SUNPOWER®

443 Please also refer to comments submitted by the Solar Energy Industry Association (SEIA), Local Solar
444 for All, and Advanced Energy Economy, which elaborate on many applicable sections of our comments
445 in more detail.

446

447 Sincerely,

448

449



450

451 Suzanne Leta

452 Head of Policy and Strategy