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2	PCO-6-20
3	Sub A
4	
5	THE CITY OF WARWICK
6	STATE OF RHODE ISLAND
7	
8	APPENDIX A
9	
	ZONING
10 11	ZOMING
12	No Date
12	
14	ApprovedMayor
15	1.pp107ea
16	AN ORDINANCE RELATIVE TO AMENDMENT OF THE WARWICK ZONING
17	<b>ORDINANCES: REGULATIONS FOR THE INSTALLATION OF SOLAR ENERGY</b>
18	SYSTEMS
19	
20	<i>Be it ordained by the City of Warwick:</i>
21	
22	Section I. Appendix A of the City of Warwick Code of Ordinances is hereby amended as
23	follows:
24	
25	[]
26	SECTION 200 Definitions
26	SECTION 200 Definitions.
27	Direct Benefit, Energy. A substantial tangible benefit afforded to the City, as determined by the
28	City Council, as part of the Solar Energy System (SES) and Energy Storage Facilities (ESF
29	process per Sec. 314, including, but not limited to, the dedication of land to the City with a
30	minimum area equivalent to the SES or ESF footprint; providing a conservation easement that
31	restricts future development rights on the parcel once an SES or ESF is decommissioned in
32	accordance with Section 314.3(T); direct monetary compensation to the City placed in a restricted
33	account for the acquisition and/or enhancement of City open space; or other similar proposals that
34	provide a substantial long-term benefit to the entire community, including, but not limited to, the
35	immediate abutters of the proposed SES or ESF development.
26	
36	Energy storage facility. Facilities and structures for the storage of energy and the charging and discharging of neuron Such facilities may include but not be limited to clostre shorting storage.
37 28	discharging of power. Such facilities may include, but not be limited to, electrochemical storage
38 39	batteries, battery chargers, controls, power conditioning systems, and associated electrical equipment designed to provide electrical power to a building or to a utility grid. The facility is
39 40	equipment designed to provide electrical power to a building or to a utility grid. The facility is typically used to provide standby or emergency power, an uninterruptible power supply, load
40 41	shedding, load sharing or similar capabilities.
41	shouting, four sharing of similar capaointics.

1 2 3 4 5	<i>Energy storage facility, accessory.</i> An energy storage facility as defined herein that is incidental and subordinate to the principal use(s) of a property and does not exceed more than ten percent (10%) of the total footprint of the principal use or structure on the parcel. When the principal use is a solar energy system or similar principal use, the total footprint includes all access aisles and area necessary to maintain the system.
6 7	<i>Energy storage facility, principal.</i> An energy storage facility as defined herein that is the principal use of a property and/or larger than the definition of an accessory energy storage facility.
8 9 10 11	<i>Forest, old growth.</i> A grouping of trees, shrubs, and other vegetation determined by an International Society of Arboriculture (ISA) certified arborist to have substantial value based on the presence of old growth trees, snags and woody debris, and a multi-layered canopy that is usually in a late stage of ecological succession.
12 13 14 15 16 17	<u>Remediated and restricted contamination site</u> . A property (1) that has been identified and confirmed by the Rhode Island Department of Environmental Management (RIDEM) as having contained a hazardous material contamination; (2) on which remediation activities were conducted to the satisfaction of RIDEM as documented within a "Letter of Compliance" or an "Interim Letter of Compliance," and (3) for which RIDEM has required the use of the property to be restricted through an Environmental Land Use Restriction.
18 19 20 21 22 23	<i>Solar canopy</i> . A ground-mounted solar energy system constructed over an existing or proposed parking area, walkway, pedestrian plaza, or similar area, as determined by the building official, that provides substantial benefits from shade and protection from other climatic conditions. Any solar canopy that does not exceed the total footprint area of a principal use occupied structure on the parcel shall be considered an accessory solar energy system. All other solar canopies shall be considered a principal solar energy system.
24 25 26 27 28 29	Solar energy system (SES). The equipment and requisite hardware that provide and are used for collecting, transferring, converting, storing, or using incident solar energy for water heating, space heating, cooling, generating electricity, and off-loading said electricity to the grid, or other applications that would otherwise require the use of a conventional source of energy such as petroleum products, natural gas, manufactured gas, or electricity produced for a nonrenewable resource.
30 31 32 33 34 35 36 37	<ul> <li>Solar energy system, accessory. A solar energy system that is incidental and subordinate to the principal use(s) of the parcel or development including the following: <ul> <li>(a) Roof or building-mounted energy-generating panels;</li> <li>(b) Ground-mounted solar energy systems, including solar canopies, that do not exceed the total footprint area of a principal use occupied structure on the parcel, inclusive of all area within the required fencing for the system.</li> </ul> </li> <li>An accessory SES is subject to all requirements outlined in Section 601.</li> </ul>
38 39 40	Solar energy system, contaminated site. A principal solar energy system in which a majority of the SES is located on a remediated and restricted contamination site pending remediation or a remediated and restricted site in accordance with RIDEM Rules and Regulations.

- 1 Solar energy system, ground-mounted. A solar energy system, including a solar canopy, that has a
- 2 support structure fixed or secured to the ground through the use of structural footings, ballasts, or 3 other similar devices approved by the building official.
- 4 Solar energy system, principal. A solar energy system as defined herein that is the principal use of
- 5 a property, and/or where a solar energy system is larger than the definition of an accessory solar
- 6 energy system.
- 7 Solar energy system, roof- or building-mounted. An active solar energy system that is structurally
- 8 mounted to, structurally ballasted, or integrated into the design of the roof or any other architectural
- 9 aspect of a building or structure.
- 10 Structure, principal use occupied. A residential or commercial structure, or grouping of
- 11 approved principal use structures, that have a minimum of 75% of the total gross floor area
- 12 occupied and actively in use as designed, arranged, or intended, and has a valid certificate of
- 13 occupancy issued by the building official.
- 14 *Tree, old growth.* A tree that is determined by an International Society of Arboriculture
- (ISA)certified arborist to be in a late stage of ecological succession and has substantial value 15
- 16 based on the tree species, geography, reference conditions, and regional disturbance cycle.
- 17 [...]

### **1** SECTION 300. – Establishment and Classification of Districts.

3 <u>302.9. Overlay district – principal solar energy system (SES) and energy storage facilities (ESF)</u>. Properties mapped in accordance with
 4 <u>subsection 303 of this ordinance and so designated to provide for principal solar energy systems and/or energy storage facilities</u>. No overlay
 5 <u>district is required for accessory solar energy systems or accessory energy storage facilities</u>.

**TABLE 1. USE REGULATIONS** 

#### 6 7 8

2

		Zoning Districts	OS	A-40	A-15	A-10	A-7	0	WB	GB	LI	GI	Inter- modal	Gate- way	Village District
<u>r  c</u>	Transportation, communication and utility uses:														

9

600

<u>612</u>	Principal Solar Energy System	<u>No<sup>27</sup></u>	<u>No<sup>27</sup></u>	<u>No<sup>27</sup></u>	<u>No<sup>27</sup></u>	<u>No<sup>27</sup></u>	<u>No<sup>28, 29</sup></u>	<u>No</u>	<u>No<sup>28, 29</sup></u>	Yes <sup>30</sup>	Yes <sup>30</sup>	<u>No</u>	<u>No</u>	<u>No</u>
<u>613</u>	Principal Energy Storage Facility	<u>No<sup>27</sup></u>	<u>No<sup>27</sup></u>	<u>No<sup>27</sup></u>	<u>No<sup>27</sup></u>	<u>No<sup>27</sup></u>	<u>No<sup>28, 29</sup></u>	<u>No</u>	<u>No<sup>28, 29</sup></u>	Yes <sup>30</sup>	Yes <sup>30</sup>	<u>No</u>	<u>No</u>	<u>No</u>

10

11 <sup>27</sup> Eligible for overlay designation on City-owned properties, or when the SES provides a direct benefit (as defined in Section 200), or if a majority of the SES is

12 *located on a contaminated site, (as defined in Sec. 200), subject to all the requirements of Section 314.* 

13 <sup>28</sup> Eligible for overlay designation, subject to all the requirements of Section 314.

14 <sup>29</sup> Principal Use Solar Canopies are allowed within this zoning district subject to all applicable review procedures and performance standards outlined in Section 314.

15 <sup>30</sup> Subject to all applicable review procedure and performance standards outlined in Section 314.

1 2	305 Administrative procedures for overlay districts.
3 4 5	The administrative procedures described in this subsection apply to the following overlay districts, except for flood hazard, historic overlay, watershed protection and groundwater protection overlay districts, which are described in subsections 310 and [through] 313, respectively:
6 7 8	Institutional-health care (IH), subsection 306.
9 10	Institutional-educational (IE), subsection 307.
10 11 12 13	Planned district residential (PDR) and planned district residential - limited (PDR-L), subsection 308.
13 14 15	Planned unit development (PUD), subsection 309.
16 17	Principal Solar Energy System (SES) and Energy Storage Facilities, subsection 314.
18 19 20	For the purposes of this subsection, all references to "overlay districts" shall specifically include only the four five overlay districts listed above.
20 21 22	305.1. <i>Administrative procedure</i> . Overlay districts may be enacted by the city council following full compliance with this subsection.
23 24 25 26 27	(A) Preapplication conference. The applicant for an overlay district is required to submit written and graphic descriptions of his/her proposed development to the department of city plan. The plan shall include the location and areas of all open spaces, building area, recreational areas, and parking spaces. The preapplication conference is intended to allow [the] department to: An aerial overlay plan shall be provided that includes:
28	(1) Acquaint the application with the comprehensive plan and any specific plans that
29	apply to the site, as well as this and other ordinances that affect the proposed
30 31	development; Approximate property boundaries and zoning of the parcel and all abutting parcels;
32	(2) Suggest improvements to the proposed design on the basis of a review of the sketch
33	plan; The location and areas of all open spaces, recreational areas, and parking spaces;
34	(3) Advise the applicant to consult appropriate authorities on the character and
35	placement of public utility services; and All buildings located on the subject parcels and
36	directly abutting parcels;
37	(4) Help the applicant to understand the steps to be taken to receive approval. General
38	site topography. Indicate major slopes, shifts in grade, berms, or other significant
39	topographic site features.
40	(5) Approximate edge delineation of areas of environmental concern such as wetlands,
41	floodplains, coastal buffers, etc.
42	(6) Approximate limits of vegetated vs. non-vegetated (cleared) areas with associated
43	area calculations.

1	(7) For Solar Energy Systems (SES), the limits of all areas on the proposed
2	development site that have been substantially cleared of vegetation in the past 5
3	(five) years based on an assessment of historical aerial photography.
4	(8) Scale, north arrow, and content references.
5	(b) Seale, north arrow, and content references.
5	
6	The pre-application conference is intended to allow the department to:
7	
0	(1) Acquaint the applicant with the comprehensive plan and any specific plans that
8 9	(1) Acquaint the applicant with the comprehensive plan and any specific plans that apply to the site, as well as this and other ordinances that affect the proposed
10	development;
10	development,
11	(2) Suggest improvements to the proposed design on the basis of a review of the sketch
12	plan;
13	pian,
15	(3) Advise the applicant to consult appropriate authorities on the character and
16	placement of public utility services;
17	
18	(4) Help the applicant to understand the steps to be taken to receive approval; and
19	
20	(5) Verify whether a site qualifies for an overlay designation.
21	
22	(B) Development plan review prerequisite for approval. Any amendment to this zoning
23	ordinance by which an overlay district would be established shall be considered and/or
24	enacted only after a development plan for said overlay district shall have been received
25 26	and given a recommendation by the planning board of the City of Warwick. <u>Application</u>
26 27	for overlay zoning review and decision. Any amendment to this zoning ordinance by which an overlay district would be actablished shall be subject to the following:
27	which an overlay district would be established shall be subject to the following:
28	(1) The application may be considered and/or enacted by the city council only after a
29	development plan, prepared in accordance with the City's standard checklist, has
30	been received and given a recommendation by the planning board pursuant to
31	Section 1007 the Zoning Ordinance and R.I.G.L. § 45-24-51.
32	
33	(2) Pursuant to R.I.G.L. § 45-24-51, the planning board shall make a recommendation
34	to the city council. In addition to the documentation required by R.I.G.L. § 45-24-
35	52, the planning board shall reference the development plans attached to its
36	recommendation and any alterations to the plan that are part of the recommendation
37	to the city council. These development plans and any associated alterations shall be
38	considered part of the application to the city council.
39	
40	(3) <u>Pursuant to R.I.G.L. § 45-24-51</u> , the city council shall hold a public hearing and
41	render a decision, ensuring proper notice as prescribed in R.I.G.L. § 45-24-53. The provisions of this section pertaining to deadlines shall not be construed to apply to
42	provisions of this section pertaining to deadlines shall not be construed to apply to
43 44	any extension consented to by an applicant.

1 2 2	(4) For an overlay district to be established, the city council must amend the "zoning plat" as defined in subsections 303 and 1007 of this ordinance.
3 4 5 6	(5) <u>The city council's written decision shall be filed with the city clerk along with all</u> supporting materials, including, but not limited to, the development plan and any approved amendments thereto.
7	
8 9 10 11 12 13	(C) Application to city council for a change of zone. In order for an overlay district to be established, the city council must amend the "zoning plat" as defined in subsections 303 and 1007 of this ordinance. <u>Permit review</u> . After a change of zone by the city council, the applicant must submit for approval under the permitting processes applicable to the proposed use/activity (e.g., Development Plan Review, Major Land Development, etc.) as set forth in the Zoning ordinance and the planning board regulations.
14 15 16 17	(1) Upon receipt of the development application, the administrative officer shall review the development plan to determine whether it is substantially in conformity with the development plan on file with the city council decision for a zone change.
17 18 19 20 21	(2) <u>The administrative officer shall notify the permitting authority in writing whether</u> <u>the development plan is in substantial conformity with the development plan on file</u> <u>with the city council decision.</u>
22 23 24	(3) Where the development plan is deemed to be not in substantial conformity, applicants must resubmit the application for a change of zone by the city council.
25 26 27 28 29 30 31	(D) Final site plan submission. After a change of zone by the city council, the applicant shall submit copies of the complete and final site plan for the overlay district as approved by the city council, with any modifications thereto, to the building official, who shall forward such plan to the director of city plan for review. <u>Change of approved</u> <u>development plan</u> . Applicants wishing to make changes to an approved development plan shall do so in accordance with the procedures associated with the applicable permitting process (e.g., Development Plan Review, Major Land Development Review, etc.).
32 33 34 35 36 37 38 39 40 41	(E) Action on the site plan. Not more than 30 days after receipt of the development plan, the director of city plan shall determine whether the proposed development complies with all requirements of this zoning ordinance, the comprehensive plan and all modifications imposed by the city council. The site plan submitted for final review must be in substantial conformity with the plan approved by the city council, provided the number of dwelling units and/or the number and gross floor area of buildings does not change. The director of city plan shall notify the building official in writing that the plan meets the requirements of the zoning ordinance. Duration of approval. Any amendment to this zoning ordinance by which an overlay district is established may be repealed by the city council in accordance with the following:
42 43 44 45	(1) The amendment may be repealed after five years from the date of its enactment where the city council finds that no building permits related to the development plans associated with the zone change have been issued.

1 2 3	(2) The action to repeal shall be in accordance with subsection 1007 of this ordinance. Where an overlay district has been repealed, the most recently adopted zoning ordinance provisions for the underlying area shall govern.
4 5 6 7 8 9	(F) <i>Change of approved site plan.</i> If the applicant wants to make any amendment to an approved development plan, a written request shall be submitted to the building official. The building official shall forward such plan to the director of city plan for review. If in the opinion of the director of city plan a requested change is sufficiently substantial, the building official shall require that the applicant repetition the city council according to the procedures outlined in this subsection.
10 11 12 13 14 15	(G) <i>Duration of approval.</i> Any amendment to this zoning ordinance by which an overlay district is established may be repealed by the city council one year from the date of its enactment unless a building permit for construction in the overlay district shall have been issued. The action to repeal shall be in accordance with subsection 1007 of this ordinance. The zoning classification of any overlay district which has been repealed shall revert to the classification in effect before the enactment of the appropriate overlay district amendment.
16 17 18 19	305.2. Content of site plan. Applicants for an overlay district shall submit six copies of a site plan drawn by a registered engineer, architect or surveyor at a scale of no more than 100 feet to the inch indicating: Site plans shall be submitted in accordance with the City's development review regulations and associated checklists.
20 21	(A) Existing and proposed property boundary lines, zoning lines, [and] abutting lots including those across any street and the property owners of such.
22 23	(B) Location and dimensions of existing and proposed principal and accessory buildings and structures on the site.
24 25	(C) Location of existing and proposed roads and sidewalks and the location, dimensions and number of off street parking and loading spaces including guest parking spaces.
26 27	(D) Location, dimensions, and design of existing and proposed signs and exterior illumination of the site.
28 29 30	(E) Location of existing and proposed recreation facilities, open space, easements and/or rights of way, and utilities including water supply, sewage disposal, storm drainage, and electrical or gas service.
31 32	(F) Soil types and where regrading is proposed, existing and proposed grade contours at five-foot intervals (to be shown separately if necessary).
33 34 35	(G) Location and type of existing and proposed major tree and shrub areas, flood hazard areas as defined by this ordinance, and location and area of coastal or freshwater wetlands, as defined in subsections 200.36 and 200.146.
36	(H) Location, dimensions and type of existing and proposed screening, fences, or walls.
37 38	(I) Proposed density, number of bedrooms per dwelling unit, and percentage of lot coverage as defined by subsection 200.93 of this ordinance.
39 40	(J) General exterior architectural plans and elevations of all proposed structures indicating proposed style and materials.

- (K) Any other information deemed necessary by the secretary of the planning board or
   the director of city plan.
- 3 (L) Title block in the lower righthand corner of the site plan showing names of the
   4 property owner and developer, date of original plan and revisions, if any, north arrow,
   5 and a blank for the signature of the director of city plan for final site plan approval as
   6 required in subsection 305.1(E).
- 7 (M) The director of city plan may waive any of the above submittal requirements
   8 ([subsections] (A) through (L)) if he/she determines such are unnecessary.
- 9

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10 [...]

# 12 <u>SECTION 314. – Overlay district regulations – Solar energy systems (SES) and Energy</u> 13 <u>storage facilities (ESF)</u>

14 The Solar Energy System (SES) and Energy Storage Facilities (ESF) overlays are established in 15 accordance with section 302.9 of this ordinance and may be enacted from time to time by amendments to this ordinance consisting of appropriate changes in the boundaries of districts in 16 such a manner as best to fit the general pattern of land use established by the comprehensive plan 17 18 and this ordinance and to further the purposes set forth in Section 100. The intent of the SES and ESF overlay district is to regulate the installation of solar energy systems and energy storage 19 20 facilities by providing standards for the placement, design, construction, operation, monitoring, 21 modification, and removal of such systems. The standards set forth herein will ensure that solar energy systems and energy storage facilities are compatible with the surrounding area, provide for 22 public safety, and minimize impacts on scenic, natural, and historic resources. The provisions of 23 24 this section shall apply, as specified herein, to construction, operation, and/or repair of solar energy system and energy storage facilities installation in the city. 25

## 314.1. Use Types. Solar Energy Systems (SESs) and Energy Storage Facilities (ESFs) defined and regulated by the City of Warwick include:

Principal Uses	<u>Accessory Uses</u>
Principal SES	Accessory SES
Contaminated Site SES	Solar Canopy, Accessory
Solar Canopy, Principal	Energy Storage Facility, Accessory
Energy Storage Facility, Principal	

- 29 <u>314.2. *Review process.* In addition to any review performed as part of establishing an SES overlay</u>
- district (per Sec. 305 as relevant), or where an SES is allowed in an established district, SESs and
- 31 ESFs shall be reviewed as follows:

<u>Type of Use</u>	<u>Review Type</u>
Principal <sup>1</sup>	
Overlay Principal SES	Major Land Development
Non-Overlay Principal SES	Administrative DPR
Contaminated Site SES	Administrative DPR
Solar Canopy, Principal	Administrative DPR
Energy Storage Facility, Principal	Administrative DPR
Accessory <sup>1</sup>	
Accessory SES	Building Official
Energy Storage Facility, Accessory	Building Official

Principal and accessory solar projects located in a designated Historic Overlay District must apply for and receive
 a Certificate of Appropriateness from the Historic District Commission in accordance with Section 311.

The petitioner shall submit a development plan that shall provide all necessary information to
 demonstrate compliance with the applicable performance standards of Section 314.3.

5 The findings and decision of the administrative officer or the planning board shall be retained as 6 part of the permanent record of decision and a building permit shall not be issued until an approval 7 letter is provided to the building official by the administrative officer.

- 8 <u>314.3. Performance standards for Solar Energy Systems (SES) and Energy Storage Facilities</u>
   9 <u>(ESF).</u>
- 10 (A) *Location*.
- 11 12 (1) SESs and ESFs shall be allowed under zoning in accordance with the Table 1 -Use 13 Regulations as outlined herein. 14 (2) SESs and ESFs shall not be allowed on land held under conservation easement or 15 land for which the development rights have been sold, transferred, or otherwise 16 removed from the parcel, unless the conditions of the easement, deed or other 17 applicable legal document specifically allows for such facility. 18 (3) SESs and ESFs shall not be allowed on portions of City owned properties 19 containing more than four (4) acres of contiguous land which has been forested for 20 forty (40) years preceding the date of a development application. 21 (4) SES panels and equipment shall, to the greatest extent possible, be sited within the 22 project site in the area(s) that are anticipated to minimize potentially adverse 23 impacts to nearby properties, communities and natural resources with reasonable 24 considerations to site conditions and other use(s) on site as applicable. 25

### (B) <u>Setbacks.</u>

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- (1) <u>All solar energy systems and storage facilities will follow the setback requirements</u> <u>in the table below. The City shall make the final determination on the setback</u> <u>required within the ranges provided.</u>
- (2) <u>Required setbacks will be measured from the edge of the SES or ESF, including any perimeter fencing.</u>

Location	<u>Minimum/ Maximum</u> <u>Setback from</u> <u>property lines</u>
Any overlay zoning district bordering GI or LI	<u>25 FT/ 50FT</u>
Any overlay zoning district bordering any district other than GI or LI	<u>50 FT/400 FT</u>
Adjacent principal use solar facilities on abutting parcels	<u>0 FT/ 100 FT</u>

- 9 (3) Setbacks shall be determined by the administrative officer after consulting with the 10 applicant, and the city's landscape coordinator, at the pre-application stage. 11 Setbacks shall be determined after the administrative officer reviews the site layout plan and details of proposed equipment; visits the project site; takes into 12 13 consideration site topography, existing vegetation and abutting land uses; and 14 analyzes cross sections, elevations, and other visual assessments provided by the 15 Applicant. 16 (4) Setbacks for principal solar energy systems reviewed as a major land development
- 17181811011</
- 19 (C) <u>Height.</u>

20

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22

- (1) The maximum height of a ground-mounted solar energy system or energy storage facility shall be 12 feet, with the exception of solar canopies, which may be up to 20 feet in height.
- 24 (2) <u>The height shall be measured from the average surrounding grade of the system's</u>
   25 <u>pedestal to the highest point of the solar energy system or facility, including the top</u>
   26 <u>of any support structure or panel.</u>
- 27 (D) <u>Glare.</u>

1	
1	(1) <u>All solar energy systems shall be designed and located to prevent reflective glare</u>
2 3	toward any inhabited buildings on adjacent properties.
3 4	(2) Glare generated from solar panels shall not interfere with traffic or create a safety
4 5	hazard.
6	<u>nazalu.</u>
0 7	(3) Racks shall have a matte finish to reduce glare and glimmer.
8	(3) <u>Racks shall have a matter mish to reduce glare and gimmer.</u>
9	(4) A glare study may be required by the administrative officer, building official, or
10	planning board to determine if glare will impact abutting properties, structures, or
10	airport operations.
11	
12	(E) <u>Noise.</u>
13	(1) Systems shall maintain a noise level at or below 55dB, and there shall be no greater
14	than a 3dB change in amplitude (the minimum audible difference perceptible to the
15	average person) measured along the entirety of any property line which abuts an
16	existing residential zone or open space.
17	
18	(2) If necessary, and at the request of the City, the applicant shall be responsible to
19	fund and submit a noise study, conducted by an environmental professional,
20	measuring pre-background sound with the post construction as-built conditions that
21	illustrate adherence with this stipulation. Said study shall be submitted to the
22	building inspector and administrative officer to the planning board within 90 days
23	of the City's request.
24	(F) <u>Access and safety.</u>
25	(1) The solar energy system or facility shall have adequate and permanent access from
23 26	a City-accepted roadway or state highway.
20 27	<u>a City-accepted toadway of state ingriway.</u>
28	(2) Reasonable accessibility for emergency service vehicles is required, and a means
20 29	of shutting down the solar energy system or facility connection to any utility
30	provider interconnection shall be clearly and sufficiently marked.
31	
32	(3) A public safety preparedness and response plan detailing the standards, procedures,
33	and communication protocol to be utilized for the system and in the event of an
34	emergency shall be provided to the City's emergency management agency director,
35	as well as documentation indicating that the plan has been distributed to the fire
36	department.
37	
38	(G) <u>Site contamination.</u>
39	
40	(1) For contaminated solar energy systems, the site shall be remediated to a state where
41	site work and the eventual construction of an SES is appropriate as confirmed by
42	RIDEM. Refer to the definition of a remediated and restricted contamination site in
43	Section 200.
44	
	12

1	(H) <u>Site preparation and ground cover.</u>
2 3	(1) No substantial clearing or grading of the proposed project site shall have occurred
4	within five (5) years of the application for an SES or ESF based on a review of
5	aerial photography by the administrative officer.
6 7	(a) If it is determined by the administrative officer that more than ten (10)
8	percent of the proposed SES or ESF project area occurred within five (5)
9	years of the application date, the applicant shall pay a supplemental
10	application fee based on the amount of site clearing that occurred within the
11	footprint of the proposed system, as determined by the City's landscape
12	coordinator in consultation with an arborist certified by the International
13	Society of Arboriculture (ISA). This additional fee will be deposited in a
14	restricted account to be used for reforestation either at the project site or
15 16	elsewhere in the City.
10	(b) Alternatively, the administrative officer may require the applicant to reduce
18	the footprint of the proposed system by an area directly proportional to the
10	deforested area, and/or require reforestation of a portion of the property
20	equivalent to the deforested area, and/or require reforestation of an area
21	directly proportional to the deforested area on City-owned property.
22	
23	(2) <u>Clearing, cutting, girdling, and any other form of disturbance to an old growth tree</u>
24	or forest is prohibited.
25	
26	(3) Clearing of non-invasive vegetation shall be limited to what is necessary for the
27	construction and operation of the SES or ESF.
28	
29	(4) Topsoil shall not be removed from the site. Topsoil will not be disturbed except as
30	required for installation of the system or facility.
31	
32	(5) <u>Removal of ledge by blasting or other similar invasive methods is prohibited.</u>
33	
34	(6) Wildflower pollinators and native grasses shall be utilized for the ground cover
35 36	under and around SES or ESF equipment to the extent practicable, except where
30 37	systems or facilities are built on previously paved sites or where solar canopies are built over parking areas. The applicant shall provide a long-term management plan
38	for ensuring wildflowers and grasses are properly cut and maintained throughout
39	the life of the project.
40	<u>ute file of the project.</u>
41	(7) Gravel, crushed stone, or similar materials may be used on primary travel ways and
42	turn around areas to provide a stable travel surface and prevent weed growth in the
43	direct vicinity of transformers or energy storage equipment. Access aisles between
44	sets of panels shall not be considered primary travel ways. The site shall be
45	maintained against invasive species over the life of the SES or ESF.
46	
47	(I) Deforestation.

1	
2 3	(1) If the project proposal includes the removal of trees, shrubs, and/or other vegetation in a combined area equal to or more than five (5) percent of the total percel or land
4	in a combined area equal to or more than five (5) percent of the total parcel or land development area, the applicant shall provide a report, drafted by an arborist
5	certified by the International Society of Arboriculture, that includes the following:
6	<u>certified by the international Society of Arboriculture, that includes the following.</u>
7	(a) A description and map of the total proposed land area to be cleared.
8	(u) reduced proposed fund and the formet of the total proposed fund area to be encared.
9	(b) An analysis of existing conditions in forested areas, to include:
10	(1) <u>A description of the various growing environments on the property</u>
11	<u>– upland, wetland, etc.;</u>
12	
13	(2) Identification of dominant species of trees, shrubs, and other
14	substantial stands of vegetation on the property;
15	
16	(3) <u>Mapping of old growth trees and forests, as defined in Section 200,</u>
17	on the property;
18	
19	(4) Identification of trees or shrubs that are endangered or have
20	significant ecological or habitat value based on their species or
21	<u>cultural features;</u>
22	
23	(5) <u>Mapping and identification of invasive species;</u>
24	
25	(6) <u>Documentation of sample points or areas where tree species</u> ,
26	diameter, and average tree heights are inventoried;
27 28	(7) An approximation of the number of trees imported by the
28 29	(7) <u>An approximation of the number of trees impacted by the</u> development with accompanying calculation methodology.
29 30	development with accompanying calculation methodology.
31	(c) A plan for the preservation and protection of old growth trees and forest
32	stands.
33	Stands.
34	(d) A deforestation mitigation plan. The plan may include one or more
35	mitigating actions including, but not limited to, reforesting areas within the
36	development parcel not currently forested, foresting offsite public or private
37	areas within the City that are not currently forested, or providing monetary
38	compensation to the City to be placed in a restricted account for tree
39	planting and reforestation initiatives administered by the City.
40	
41	(2) The forestry report shall be provided to the administrative officer as part of the
42	master plan submittal package.
43	
44	(3) The administrative officer may request additional clarifications and/or analysis be
45	performed.
46	
47	(4) After reviewing the report, and consulting with the City's landscape coordinator,

1 2	the administrative officer shall work with the applicant to finalize a forest mitigation plan and recommendation to the planning board.
3	(5) The administrative officer shall mervide the forest mitigation plan along with a
4 5	(5) <u>The administrative officer shall provide the forest mitigation plan along with a</u> written recommendation to the planning board that addresses each of the following
6	and shall make positive findings regarding each of the following provisions as they
7	apply to the application under review:
8	appr) to the approvation and retreat
9	(a) The clearing of trees, shrubs, and other vegetation is the least amount
10	necessary for the proposed development;
11	
12	(b) Old growth trees or forest stands shall be preserved and protected;
13	
14	(c) <u>Invasive species within the development area will be managed or eliminated</u>
15	as part of the project development;
16 17	(d) The forest mitigation plan includes estions and/or compensation that
17	(d) <u>The forest mitigation plan includes actions and/or compensation that</u> reasonably addresses the short-term impacts of proposed site deforestation.
18 19	reasonably addresses the short-term impacts of proposed site deforestation.
20	(J) <u>Screening and Buffering Plan.</u>
21	(1) <u>A screening and buffering plan prepared and stamped by a Rhode Island licensed</u>
22	landscape architect shall be submitted to the administrative officer.
23	
23 24	(2) During the pre-application stage, the applicant's landscape architect shall work
	(2) <u>During the pre-application stage, the applicant's landscape architect shall work</u> with the administrative officer and the City's landscape coordinator to develop a
24 25 26	with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with
24 25 26 27	with the administrative officer and the City's landscape coordinator to develop a
24 25 26 27 28	with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:
24 25 26 27 28 29	<ul> <li>with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:</li> <li>(a) <u>A combination of natural vegetation, berms, fencing, walls, and other</u></li> </ul>
24 25 26 27 28 29 30	<ul> <li>with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:</li> <li>(a) <u>A combination of natural vegetation, berms, fencing, walls, and other similar features shall be used to visually buffer the system(s) from the view</u></li> </ul>
24 25 26 27 28 29 30 31	<ul> <li>with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:</li> <li>(a) A combination of natural vegetation, berms, fencing, walls, and other similar features shall be used to visually buffer the system(s) from the view of abutting properties, as well as mitigate noise, glare, or other potential</li> </ul>
24 25 26 27 28 29 30 31 32	<ul> <li>with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:</li> <li>(a) <u>A combination of natural vegetation, berms, fencing, walls, and other similar features shall be used to visually buffer the system(s) from the view</u></li> </ul>
24 25 26 27 28 29 30 31 32 33	<ul> <li>with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:</li> <li>(a) A combination of natural vegetation, berms, fencing, walls, and other similar features shall be used to visually buffer the system(s) from the view of abutting properties, as well as mitigate noise, glare, or other potential nuisances;</li> </ul>
24 25 26 27 28 29 30 31 32 33 34	<ul> <li>with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:</li> <li>(a) A combination of natural vegetation, berms, fencing, walls, and other similar features shall be used to visually buffer the system(s) from the view of abutting properties, as well as mitigate noise, glare, or other potential</li> </ul>
24 25 26 27 28 29 30 31 32 33 34 35	<ul> <li>with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:</li> <li>(a) <u>A combination of natural vegetation, berms, fencing, walls, and other similar features shall be used to visually buffer the system(s) from the view of abutting properties, as well as mitigate noise, glare, or other potential nuisances;</u></li> <li>(b) <u>Old growth trees and old growth forest shall be preserved.</u></li> </ul>
24 25 26 27 28 29 30 31 32 33 34	<ul> <li>with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:</li> <li>(a) A combination of natural vegetation, berms, fencing, walls, and other similar features shall be used to visually buffer the system(s) from the view of abutting properties, as well as mitigate noise, glare, or other potential nuisances;</li> </ul>
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	<ul> <li>with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:</li> <li>(a) A combination of natural vegetation, berms, fencing, walls, and other similar features shall be used to visually buffer the system(s) from the view of abutting properties, as well as mitigate noise, glare, or other potential nuisances;</li> <li>(b) Old growth trees and old growth forest shall be preserved.</li> <li>(c) Healthy, non-invasive trees shall be preserved to the extent practicable.</li> </ul>
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39	<ul> <li>with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:</li> <li>(a) A combination of natural vegetation, berms, fencing, walls, and other similar features shall be used to visually buffer the system(s) from the view of abutting properties, as well as mitigate noise, glare, or other potential nuisances;</li> <li>(b) Old growth trees and old growth forest shall be preserved.</li> <li>(c) Healthy, non-invasive trees shall be preserved to the extent practicable. Isolated, non-old growth, trees that are unusually tall or unhealthy may be allowed where the applicant can show maintaining the tree will obstruct solar access, is in significant decline, or will adversely impact the operation</li> </ul>
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	<ul> <li>with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:</li> <li>(a) A combination of natural vegetation, berms, fencing, walls, and other similar features shall be used to visually buffer the system(s) from the view of abutting properties, as well as mitigate noise, glare, or other potential nuisances;</li> <li>(b) Old growth trees and old growth forest shall be preserved.</li> <li>(c) Healthy, non-invasive trees shall be preserved to the extent practicable. Isolated, non-old growth, trees that are unusually tall or unhealthy may be allowed where the applicant can show maintaining the tree will obstruct</li> </ul>
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41	<ul> <li>with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:</li> <li>(a) <u>A combination of natural vegetation, berms, fencing, walls, and other similar features shall be used to visually buffer the system(s) from the view of abutting properties, as well as mitigate noise, glare, or other potential nuisances;</u></li> <li>(b) <u>Old growth trees and old growth forest shall be preserved.</u></li> <li>(c) <u>Healthy, non-invasive trees shall be preserved to the extent practicable.</u> Isolated, non-old growth, trees that are unusually tall or unhealthy may be allowed where the applicant can show maintaining the tree will obstruct solar access, is in significant decline, or will adversely impact the operation of the system;</li> </ul>
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	<ul> <li>with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:</li> <li>(a) A combination of natural vegetation, berms, fencing, walls, and other similar features shall be used to visually buffer the system(s) from the view of abutting properties, as well as mitigate noise, glare, or other potential nuisances;</li> <li>(b) Old growth trees and old growth forest shall be preserved.</li> <li>(c) Healthy, non-invasive trees shall be preserved to the extent practicable. Isolated, non-old growth, trees that are unusually tall or unhealthy may be allowed where the applicant can show maintaining the tree will obstruct solar access, is in significant decline, or will adversely impact the operation of the system;</li> <li>(d) Where existing vegetation provides little to no visual screening, applicants</li> </ul>
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	<ul> <li>with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:</li> <li>(a) A combination of natural vegetation, berms, fencing, walls, and other similar features shall be used to visually buffer the system(s) from the view of abutting properties, as well as mitigate noise, glare, or other potential nuisances;</li> <li>(b) Old growth trees and old growth forest shall be preserved.</li> <li>(c) Healthy, non-invasive trees shall be preserved to the extent practicable. Isolated, non-old growth, trees that are unusually tall or unhealthy may be allowed where the applicant can show maintaining the tree will obstruct solar access, is in significant decline, or will adversely impact the operation of the system;</li> <li>(d) Where existing vegetation provides little to no visual screening, applicants are required to install dense, layered evergreen plantings, with a minimum</li> </ul>
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	<ul> <li>with the administrative officer and the City's landscape coordinator to develop a screening plan for all setback areas. Screening plans shall be developed with consideration of the following:</li> <li>(a) A combination of natural vegetation, berms, fencing, walls, and other similar features shall be used to visually buffer the system(s) from the view of abutting properties, as well as mitigate noise, glare, or other potential nuisances;</li> <li>(b) Old growth trees and old growth forest shall be preserved.</li> <li>(c) Healthy, non-invasive trees shall be preserved to the extent practicable. Isolated, non-old growth, trees that are unusually tall or unhealthy may be allowed where the applicant can show maintaining the tree will obstruct solar access, is in significant decline, or will adversely impact the operation of the system;</li> <li>(d) Where existing vegetation provides little to no visual screening, applicants</li> </ul>

1	
2	(e) Earthen berms may be used in addition to natural vegetation or plantings,
3	but are typically not acceptable buffers on their own;
4	
5	(f) When feasible, the natural topography of the site should be used to achieve
6	screening objectives in combination with existing and/or proposed
7	vegetation.
8	
9	(3) Supplemental plantings may be required by the building official within one (1) year
10	of the project commissioning in order to properly screen abutting land uses and
11	address abutter concerns.
12	
13	(4) Longevity. Required visual screening shall be maintained for the life of the SES.
14	The property owner and/or facility owner shall be required to replant any section
15	of the buffer/screening found not to meet the requirements of this section as
16	determined by the City zoning official.
17	
18	(K) <u>Utilities.</u>
19	(11) <u>ownes.</u>
20	(1) Utility connections for solar canopies shall be placed underground to the maximum
20	extent feasible.
22	
23	(2) All utility connections from the system shall be placed underground at a minimum
23 24	between the right of way and the interior (development site side) screening or in
25	other areas where wires may pose a visual or physical nuisance as determined by
23 26	the building official and/or administrative officer.
20 27	the building official and/or administrative officer.
28	(2) If physically passagery, a right pole may be constructed within a required corresping
28 29	(3) <u>If physically necessary, a riser pole may be constructed within a required screening</u> area in order to connect the underground line to the nearest existing overhead line.
30	(L) Fencing.
31	
32	(1) Principal SESs (except solar canopies) and ESFs, including all associated
33	equipment, will be enclosed by a perimeter fence that meets building code
34	requirements for height.
35	<u>1</u>
36	(2) Barbed wire, razor wire or similar is prohibited.
37	
38	(3) Fencing shall incorporate wildlife passage features in its design and installation.
39	(5) <u>rementer shan meriperate andre passage reactives in its design and mountation.</u>
40	(4) Perimeter fencing shall be secured from unauthorized entry.
40	() <u>remeter renemg shar de secarea nom unautionzed entry.</u>
42	(5) Fencing shall be solid in appearance, such as chain link with slats or wood stockade,
43	unless ornamental style fencing is required.
43 44	unless ornamental style fenenig is required.
45	(6) Ornamental fencing may be required by the administrative officer in areas that are
46	visible from a right of way or residentially zoned properties.
τu	visible from a right of way of residentially zoned properties.

1 2 3 4	(7) <u>Chain-link fencing shall be black vinyl-coated unless otherwise approved by the</u> <u>administrative officer or building official.</u>
5	(M) <u>Signage.</u>
6 7 8 9 10 11 12	<ol> <li>A sign shall be posted at the entry of the SES (except for solar canopies) or ESF, displaying the name of the owner and operator of the system and a twenty-four (24) hour emergency contact number.</li> <li>In areas where an SES or ESF abuts a right of way, an educational interpretive sign shall be provided. Final size, verbiage, and location shall be coordinated with the administrative officer.</li> </ol>
13	(3) <u>All signage shall comply with Section 800.</u>
14 15	(N) Lighting
15 16	(N) <u>Lighting.</u>
17	(1) Lighting shall be limited to that required for safety and operational purposes. All
18	site lighting shall be directed downward and incorporate full cut-off fixtures to
19	reduce light pollution and minimize glare to abutting properties.
20	
21	(2) <u>Solar canopies built over parking areas or pathways may have lighting integrated</u>
22	into the canopy for vehicular/ pedestrian safety.
23	(O) Interconnection study and utility notification.
24	(1) As part of the submittal for master plan approval, the applicant shall provide a
25	preliminary interconnection study as submitted to the local electrical utility
26	indicating the anticipated route and associated costs for interconnection of a solar
27	energy system to the electric distribution system.
28	(2) No installation of a SES or ESF (whether located indoors or outdoors) shall
29 20	commence, and no interconnection shall take place, until evidence has been given
30 31	that the electric utility company that operates the electrical grid where the system or facility is to be located has been informed of the customer's intent to install an
32	interconnected customer-owned system or facility.
33	(P) <u>System maintenance.</u>
34 35	(1) <u>The SES or energy storage facility will be maintained by its owner and/or operator</u> and will be cleared of debris, weeds, trash, etc.
36 37 38 39 40	(2) <u>Maintenance shall include, but not be limited to, painting, structural repairs, and integrity of security measures. The equipment shall remain in good repair and working order. Malfunctioning or inoperable equipment will be removed from the property.</u>

1 2 3 4 5 6 7	<ul> <li>(3) Screening and buffering, including ground cover around and below panels, shall be maintained properly on a continuous and regular schedule. The building official may require the replanting of any dead or declining screening vegetation throughout the life of the project.</li> <li>(Q) Decommissioning agreement and financial surety.</li> </ul>
,	
8	(1) Before receiving development approval, owners or operators of a principal SES or
9	ESF must develop a decommissioning plan with accompanying estimate and
10	establish an escrow account to provide surety for the removal of system
11	infrastructure in the event the owner/ operator fails to decommission the system as
12	outlined in Sec. 314.3 (T).
13	
14	(2) A registered engineer experienced with the design and decommissioning of solar
15	energy systems shall provide an estimate of all costs and revenues associated with
16	removal of the SES and accompanying remediation.
17	
18	(3) The decommissioning estimate shall include all expenses required to restore the site
19	as closely as feasible to its pre-development condition. At a minimum, the estimate
20	shall include all costs associated with the removal of all SES structures and
21	equipment related to the system or facility; fees related to disposal or disconnection;
22	and costs associated with grading and seeding.
23	
24	(4) If a portion of the development parcel will be deforested for the establishment of
25	an SES or ESF, the decommissioning estimate shall carry the cost of tree sizes that
26	will suitably reforest the affected areas to their precondition state within a period
27	of thirty (30) years from the date of project decommissioning.
28 29	(5) Revenues used to offset decommissioning expenses may include seventy five
29 30	percent (75%) of the current salvage value of metals and other materials likely to
31	be recycled. Other revenue may be included upon authorization of the building
32	official.
33	
34	(6) The decommissioning estimate shall include a minimum two (2) percent per year
35	inflation rate over the lifespan of the project, The Administrative Officer may
36	require that the inflation rate calculated based on the weighted average of the
37	Consumer Price Index for the ten (10) years preceding the application date.
38	
39	(7) The City may engage the services of a qualified engineer, at the applicant's
40	expense, to independently verify the projected decommissioning expenses and
41	revenues.
42	

1 2 3	(8) Once the decommissioning estimate is approved by the City, the applicant shall draft a decommissioning agreement and establish an escrow account for the deposit of the surety funds.
4	
5	(9) Funds must be deposited into and interest bearing escrow account by an authorized
6	agent. The escrow agent and/or applicant shall provide documentation to the
7	Administrative Officer and Building Official verifying that funds are properly held
8	in escrow for purposes of decommissioning prior to receiving a building permit.
9	in eserow for purposes of decommissioning prior to receiving a building permit.
10	(10) <u>Verification of escrow funds must be provided to the City Building</u>
10	Department annually by January 31st of each year of operation.
11	Department annuary by fandary 51st of each year of operation.
	(11) Eviluate to maintain sufficient funds in economy or failure to provide enough
13	(11) <u>Failure to maintain sufficient funds in escrow, or failure to provide annual</u>
14	reports as required, are considered a zoning violation and shall be enforced by the
15	building official in accordance with City Ordinance.
16	(R) Notification of Decommissioning or Use Continuance
17	(1) Twenty (20) years from the date the final decision letter and plans are recorded (or
18	as otherwise stipulated in the land development approval) the applicant,
19	owner/operator of the system or facility or land owner shall notify the building
20	official and the City planning director in writing of their intent to either
20 21	decommission the system or facility or continue its use.
21	decommission the system of facility of continue its use.
22	
23	(2) If the applicant, owner/operator of the system or facility or landowner intends to
24	continue utilizing the system or facility for electric generation, they must provide a
25	new decommissioning study for the existing system or facility in accordance with
26	Section 314.3(Q).
27	
28	(3) The updated decommissioning report must provide an analysis of the existing
20 29	system or facility and update the estimate related to its decommissioning.
30	system of fuently and update the estimate related to its decommissioning.
31	(4) After consulting with the City planning director, the building official may allow
32	continued use of the system or facility, provided any additional funds required to
33	decommission it are provided in escrow and the building official determines that
34	the system or facility has been operating in conformance with all prior stipulations
35	and approvals.
36	
37	(5) As a condition of continuing the use, the building official may require the applicant
38	to supplement or replace landscaping, repair or replace fencing, and/or provide
39	similar updates/ improvements.
40	(6) In no case shall the use of a principal use SES be continued longer than thirty-five
41	(35) years from the date of the final decision letter and plans are recorded.
42	1007 Jours from the dute of the finite decision fetter and plans are recorded.
43	(S) <u>Abandonment.</u>

1		(1) A principal SES shall be considered abandoned when one or more of the following
2		<u>occurs:</u>
3		(a) Use of the solar panels and relevant infrastructure has ceased;
4		(b) The solar array is no longer transmitting electricity for offsite use;
5		(c) The solar array is in such disrepair that it is no longer providing useful
6		production of electricity; or
7		(d) The applicant, owner/operator of the system or facility or landowner fails
8		to notify the building official of their intent to continue use of the system or
9		facility, and provide an updated decommissioning study and escrow funds,
10		as stipulated in Section 314.3(R).
11		(e) The system has been in operation (active or inactive) for a period of thirty-
12		five years from the date of the final decision letter and plans are recorded.
13		
14		(2) A principal SES or ESF that has been abandoned shall be removed in accordance
15		with Section 314.3(T).
10		
16	(T)	Decommissioning.
17		(1) <u>The owner or operator shall physically remove the SES or ESF no more than six</u>
18		(6) months after the date of abandonment.
19		
20		(2) In the event the system or facility is not properly decommissioned six (6) months
21		after the system or facility reaches the end of its useful life, or abandonment, the
22		City will have the right to enter the property and utilize escrow funds to properly
23		decommission the system or facility.
24		
25		(3) If the cost of decommissioning the system or facility exceeds the actual amount
26		held in escrow, the applicant, operator, and/or landowner shall be liable for any
27		remaining balance and shall be subject to fines for non-compliance with plan
28		approval stipulations. Fines will be imposed by the City building official as outlined
29		in City Ordinance.
30	[]	
31	[]	
32	601.1 A	Accessory building and uses, residential. Accessory buildings and uses, including private
33		in a residence district are permitted which:
34	Suruges,	in a residence district die permitted when.
35	(A)	Are clearly incidental to and customarily associated with the principal use.
36	(A)	Are clearly incluentar to and customarily associated with the principal use.
30 37	(B)	Are operated and maintained under the same ownership and on the same lot as the
38	~ /	•
	þ	principal use.
39		De net energial 20 feet in heisht fen dete shed heildinge en deslan energies en 12 feet in
40	(C)	Do not exceed 20 feet in height for detached buildings and solar canopies, or 12 feet in
41	<u>h</u>	eight for ground-mounted solar panels.
42		De not contain any dyvelling units
43	(D)	Do not contain any dwelling units.
44	[]	

1 2	601.10. Accessory solar energy systems (SES) and energy storage facilities (ESF). Accessory SESs or ESFs shall require a building permit and are subject to the following requirements:
3 4	(A) <u>Roof or building mounted SES must not increase the footprint of the structure.</u>
5	(B) Ground Mounted Accessory SESs, solar canopies, and ESFs in residential zones shall
6	comply with all operating standards outlined under Section 604 and the following
7	requirements:
8	
9	(1) <u>Location</u> . The system shall be located within rear and/or side yard setbacks as
10 11	outlined in subsection 601.2.
11	(2) <u>Color and materials</u> . Solar panels shall be neutral in color and shall be constructed of materials that minimize impact to surrounding properties.
12	or materials that minimize impact to surrounding properties.
14	(3) Screening. The building official may require all, or a portion, of the SES or ESF
15	be screened with a solid fence, wall, a contiguous evergreen hedge of not less than
16	6' high at installation, or similar element if he/she determines that the system poses
17	a visual, noise, or other similar nuisance to abutting properties.
18	
19 20	(C) Ground Mounted Accessory SESs, solar canopies, and ESFs in non-residential zones
20 21	shall comply with all operating standards outlined under Section 604 and with the following requirements:
$\frac{21}{22}$	tonowing requirements.
23	(1) Location. The system shall be located in accordance with subsection 601.8. Solar
24	canopies located in the front of a building shall not visually or physically obstruct
25	access to the main entrance, windows, signage, pedestrian pathways, etc.
26	
27	(2) <u>Color and materials</u> . Solar canopies located in the front of a building, or to the side
28	of a building and visible from a public way, shall be visually and architecturally
29	compatible with the building, in terms of color, lighting, and basic form. Where
30 31	appropriate, integrated artwork, trim additions, or other such design features shall be used to improve compatibility. Ground level casings, conduits, and other
32	electronics shall be given similar treatment as the main structures of the solar
33	canopies.
34	
35	(3) <u>Buffer from public way</u> . All permit applications for systems located within view
36	shed of a public right of way or front yard area shall be accompanied by a landscape
37	plan, prepared by a Rhode Island registered landscape architect, that utilizes
38	plantings, fencing, walls, or combination thereof to reduce visual nuisance, improve
39	the overall aesthetic along the right of way, and buffer panels where deemed
40	necessary by the building official or city landscape coordinator. Plans shall be
41 42	approved by the city landscape coordinator.
43	(4) Screening. The building official may require all, or a portion, of the SES or EFS
44	be screened with a solid fence, wall, evergreen hedge, or similar element if he/she
45	determines that the system poses a visual, noise, or other similar nuisance to

1	abutting properties. Screening plans shall be reviewed and approved by the city
2	landscape coordinator.
3	
4	Section II: This Ordinance shall take effect upon passage.
5	
6	
7	SPONSORED BY: COUNCILMAN SINAPI
8	
9	COMMITTEE: ORDINANCE
10	
11	