BATTERY STORAGE SYSTEM (BSS) APPLICATION CHECKLIST

All applications for a CEC license for a battery storage system 20MW or larger shall include the following information,

with detailed descriptions and supporting documentation as necessary. For any questions please contact [Battery@energy.ca.gov](mailto:Battery@energy.ca.gov)

Page 1 of 4

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| **REQUIREMENT** | **YES/NO** | **PAGE IN APPLICATION** |
| **1.0 Project Description** | | |
| 1.1 Project owner/operator (Name, title, address, phone) | Yes |  |
| 1.2 General description of BSS and appurtenant facilities |  |  |
| 1.3 Compliance with criteria in Paragraph 11 of Governor’s  July 30, 2021 Proclamation of State of Emergency |  |  |
| 1.4 Structure dimensions (size and height), plan and profile |  |  |
| 1.5 Full size color photo of the site and rendering of proposed facility if available |  |  |
| 1.6 Maximum foundation depth, cut and fill quantities |  |  |
| 1.7 Conformance with California Building Code |  |  |
| 1.8 Proposed operation (hours per year) |  |  |
| 1.9 Expected on-line date |  |  |
| 1.10 Proposed duration of operation (years) |  |  |
| 1.11 Identify transmission interconnection facilities |  |  |
| 1.12 Transmission interconnection application/ proof of interconnection authorization by October 31, 2022 |  |  |
| 1.13 Off-site transmission facilities to be used, if known |  |  |
| 1.14 Hydrologic analysis to address the following:   * Would storm water runoff increase in rate/volume due to the project? * Would project’s storm water overwhelm storm water facilities? * Would storm water from project impact water quality of receiving water bodies? * Flood hazard exacerbation if project in flood hazard zone. * Drainage pattern alterations? * Waiver obtained for the requirements of a construction general permit/SWPPP from the State Water Board (applicable only if the project would disturb 1.0 acre or more of land). |  |  |
| 1.15 Water requirements and treatment |  |  |
| 1.16 Water interconnection facilities (supply/discharge) |  |  |
| 1.17 Source and quality of water supply |  |  |
| 1.18 Water supply agreement/proof of water supply/ “will-serve” letter |  |  |
| **2.0 Site Description** | | |
| 2.1 Site address (street, city, county) |  |  |
| 2.2 Assessor's parcel number |  |  |
| 2.3 Names and addresses of all property owners within 1,000 feet of the project site and 500 feet of related facilities in electronic mail merge format |  |  |
| 2.4 Existing site use |  |  |
| 2.5 Existing site characteristics (paved, graded, depth and extent of previous disturbance, etc.) |  |  |
| 2.6 Layout of site (include plot plan) |  |  |
| 2.7 Zoning and general plan designations of site and linear facilities |  |  |
| 2.8 Ownership of site (name, address, phone) |  |  |
| 2.9 Status of site control |  |  |
| 2.10 Equipment laydown area, and the size and location of temporary buildings, storage, and temporary and permanent parking |  |  |

| **REQUIREMENT** | **YES/NO** | **PAGE IN APPLICATION** | |
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| **3.0 Construction Description** | | | |
| 3.1 Construction schedule |  |  | |
| 3.2 Workforce requirements (peak, average) |  |  | |
| **4.0 Power Purchase Contract (DWR, ISO, other)** | | | |
| 4.1 Status of negotiations and expected signing date |  |  | |
| **5.0 Environmental and Regulatory Setting** | | | |
| 5.1Provide a detailed description of the existing physical conditions and character for each topical section below, including natural and man-made features. |  | |  |
| 5.2 Provide a detailed description of all local, state and federal laws, ordinances, regulations and standards (LORS) and agency jurisdiction that would otherwise be applicable to the project (except for the CEC’s jurisdiction) and an analysis of the project’s compliance with each. |  | |  |
| **6.0 Air Emissions** | | | |
| 6.1 A description of the air quality impacts resulting from construction of the project. |  |  | |
| 6.2 A description of any sources that have the potential for air quality impacts during operation. |  |  | |
| 6.3 Project design measures proposed to mitigate potential impacts. |  |  | |
| 6.4 A statement of whether any phases of the project (construction, operation, etc.) or onsite equipment would require local air district permits or evaluation. |  |  | |
| **7.0 Biological Resources** | | | |
| 7.1 Protected species and their habitat (e.g., migratory birds, sensitive, candidate, rare, threatened, or endangered) on site, adjacent to site (up to a minimum of 1,000 feet) and along right of way for linear facilities. |  |  | |
| 7.2 Designated critical habitat or other sensitive or protected habitat on site, adjacent to site, and along right of way for linear facilities (e.g., wetlands, vernal pools, riparian habitat, open space, conservation easements, or preserves). |  |  | |
| 7.3 Proposed new landscaping or modification to existing landscaping. Landscape plan should include use of plants compatible with local landscape ordinances and avoid use of invasive plants as identified in the current California Invasive Plant Council’s (Cal-IPC) Invasive Plant Inventory. |  |  | |
| 7.4 Proposed mitigation as applicable. |  |  | |
| **8.0 Cultural Resources** | | | |
| 8.1 Advance contact with and notification of Native American agencies |  |  | |
| 8.2 Identification of known cultural resources |  |  | |
| 8.3 Proposed mitigation as applicable |  |  | |
| **9.0 Geology/ Soils/ Paleontology** | | | |
| 9.1 Are any excavations, such as foundation improvements (piles, soil stabilization, spread footings, slabs, etc.) or buried utilities expected to penetrate below engineered fill or previously disturbed soil? If yes, provide estimate of the location, depth, and spatial extent of the excavation. |  |  | |
| 9.2 Are there any known palaeontologic sites at or in the vicinity of the project footprint? |  |  | |
| **REQUIREMENT** | **YES/NO** | **PAGE IN APPLICATION** | |
| 9.3 If any excavations are planned that penetrate previously undisturbed soil, please submit Paleontology Mitigation Protection Plan (PMPP), which includes identification of Principal Paleontologist. |  |  | |
| 9.4 Is the project located on a geologic unit or soil that is unstable, or that would become unstable because of the project, and potentially result in on or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse? If yes, provide details of the geologic and/or seismic hazards affecting the project. |  |  | |
| 9.5 Proposed mitigation as applicable. |  |  | |
| **10.0 Hazardous Materials** | | | |
| 10.1 Type and volume of hazardous materials on-site. |  |  | |
| 10.2 BSS battery chemistry and Safety Data Sheet(s). |  |  | |
| 10.3 A description of the fire protection/fire alarm systems to be used for the BSS. |  |  | |
| 10.4 A description of the thermal management system used to prevent thermal runaway. |  |  | |
| 10.5 Discussion of UL 9540 compliance. |  |  | |
| 10.6 UL 9540A Test Report. |  |  | |
| 10.7 Discussion of NFPA 855 compliance. |  |  | |
| 10.8 A description of the BSS enclosure and dimensions, and the maintenance requirements. |  |  | |
| 10.9 A description of the explosion control that the BSS would employ. |  |  | |
| 10.10 A narrative detailing outreach and training with the local fire department to develop standard operating procedures for first responders to implement when confronting a BSS fire. |  |  | |
| 10.11 A site plan locating fire apparatus access roads, fire water supply, and hydrant locations. |  |  | |
| **11.0 Hydrology and Water Quality** | | | |
| 11.1 Wastewater volume, quality, treatment. |  |  | |
| 11.2 Status of permits for wastewater discharge or draft permit (WDR/NPDES). |  |  | |
| 11.3 Draft Erosion Prevention and Sedimentation Control Plan or Mitigation Strategy. |  |  | |
| 11.4 Spill Prevention/Water Quality Protection Plans. |  |  | |
| **12.0 Land Use** | | | |
| 12.1 Local land use restrictions (height, use, etc.) applicable to the project. |  |  | |
| 12.2 A discussion of the allowable land uses within the zoning designation of the site. |  |  | |
| 12.2 Use of adjacent parcels (include map). |  |  | |
| 12.3 Ownership of adjacent parcels – site and linear facilities. |  |  | |
| 12.4 Demographics of census tract where project is located (most current available). |  |  | |
| **13.0 Noise** | | | |
| 13.1 Local noise requirements. |  |  | |
| 13.2 Nearest sensitive receptor (type, distance). |  |  | |
| 13.3 Project noise level at nearest project property line and nearest sensitive receptor—for both construction and operation. |  |  | |
| 13.4 Ambient noise levels at the nearest project property line and nearest sensitive receptor. |  |  | |

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| 13.5 Proposed mitigation as applicable. |  |  | |
| **14.0 Public Services** | | | |
| 14.1 Ability to serve letter from local Fire Authority/ District and responsible law enforcement agency. |  |  | |
| 14.2 Nearest fire station. |  |  | |
| **15.0 Transmission System Engineering** | | | |
| 15.1 Conformance with Title 8, High Voltage Electrical Safety Orders, CPUC General Order 95 (or NESC), CPUC Rule 21, PTO Interconnection Requirements, and National Electric Code. |  |  | |
| **16.0 Transportation** | | | |
| 16.1 Evaluation of vehicle miles traveled attributable to the project and consistency with local thresholds. |  |  | |
| 16.2 Transportation Control Plan for roads, transit, and non-motorized travel during construction. |  |  | |
| 16.3 Transportation impact of linear facility construction. |  |  | |
| 16.4 Equipment transport route. |  |  | |
| 16.5 Parking requirements - workforce and equipment. |  |  | |
| 16.6 Proposed mitigation as applicable. |  |  | |
| **17.0 Visual Resources** | | | |
| 17.1 Plan for landscaping and screening to meet local requirements |  |  | |
| 17.2 Full size color photo of the site and rendering of proposed facility with any proposed visual mitigation if necessary. |  |  | |
| **18.0 Wildfire** | | | |
| 18.1 Is the project located in or near state responsibility areas or lands within a classified fire hazard zone? If yes, detail mitigation as necessary to minimize hazards to project structures and occupants. |  |  | |
| **19.0 References** | | | |
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31765/Border (6/13/01/mc)

BSS Emergency Power Checklist Sept 2021