



## **OPERATIONAL PLAN**

NPC-4D Level 1

MemorialCare Miller Children's & Women's Hospital Long Beach – 17572

BLD-03901, Miller Children's Clerical Addition

No NPC-4D Level 1 Areas in this building.

Operation Plan per CAC 2022, Chapter 6, Article 11, Section 11.2.3.2.f has been reviewed and authorized by the Owner, MemorialCare Miller Children's & Women's Hospital Long Beach.

A handwritten signature in blue ink, appearing to read "CK", followed by the date "12/18/23" written in the same ink.

Chad Kurz

MemorialCare Executive Director Campus Development PD+C

## Operational Plan for NPC-4D Level 1 Reclassification

Millers Children's & Women's Hospital Long Beach, HCAI Facility #17572  
BLD-03901, Miller Children's Clerical Addition

### CAC 2022, Chapter 6, Article 11, Section 11.2.3.2.f

Nonstructural Performance Category 4D Operational Plan (Operational Plan) for Levels 1, 2, and 3 areas required for continuous operations. For minimum compliance with NPC 4D the facility must prepare an owner-approved Operational Plan specifying how it will repair nonstructural damage and bring systems and services back on line, or provide them in an alternative manner to accommodate continuation of critical care operations. This plan may include any other units or departments that hospitals may wish to keep operational for a minimum of 72 hours after a seismic event or other natural or human-made disaster. The Operational Plan shall be filed with the Office and shall include an executive summary, a detailed narrative of management of utilities, provisions, sustainability, and alternate means. The Operational Plan shall include, but is not limited to, the following topics for each unit or service that is not in compliance with NPC 4:

#### Code Provisions: MCWHLB response in bold

##### 1. Level 1 Areas

- i. *As-built plans, schematic, or other means showing the routing for all utilities serving the areas from their source to the areas they serve.*

**No NPC-4D Level 1 areas within this building. Not Applicable.**

- ii. *Materials on hand to make necessary repairs to these systems in the event of failure, breakage, or other causes of nonoperational status.*

**No NPC-4D Level 1 areas within this building and no central utilities route through this building to NPC-4D Level 1 areas. Not Applicable.**

- iii. *Prioritize the restoration of the essential electrical system.*

**No NPC-4D Level 1 areas within this building and no central utilities route through this building to NPC-4D Level 1 areas. Not Applicable.**

- iv. *Facility has a plan to maintain the areas in operation, including all necessary utilities and equipment for functionality.*

**No NPC-4D Level 1 areas within this building and no central utilities route through this building to NPC-4D Level 1 areas. Not Applicable.**

- v. *An arrangement is in place to transfer the services in the event the hospital's services are not operational or cannot be made operational immediately.*

**No NPC-4D Level 1 areas within this building and no central utilities route through this building to NPC-4D Level 1 areas. Not Applicable.**

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### **2. Central And Sterile Supplies**

*Facility has a means to obtain additional medical equipment and supplies for the areas in the event in-house central or sterile supplies storage is damaged or unusable.*

**Miller Children's & Women's Hospital Long Beach have agreements in place with the following vendors for all emergency equipment and supply needs in the event in-house central or sterile supplies storage are damaged or unusable.**

#### **Vendors-**

**Hill Rom - Bed Rentals**

**UHS - Equipment Rentals**

**Medline - Medical Supplies**

**Government and Regional Agencies (Ex. City, Public Health, County Emergency Management Services)**

### **3. Dietary**

*Facility has a means to obtain food service for the areas in the event in-house dietary is damaged or unusable.*

**Miller Children's & Women's Hospital Long Beach utilizes the Medi Meal Disaster Meal program and maintains 96 hours worth of food supplies for all patients, staff and visitors. In the event that in-house dietary is damaged or unusable, the Food Service Unit Leader to reach out to the Red Cross or Office of Civil Defense to provide aid.**

### **4. Pharmaceutical Services**

*Facility has means to obtain pharmaceutical services for the areas in the event in-house pharmaceutical services are damaged or unusable.*

**Miller Children's & Women's Hospital Long Beach maintains a 96-hour or stock and emergency stock. In the even that in-house pharmaceuticals area damaged or useable, the Pharmacy Unit Leader to reach out to MemorialCare's network of vendors including but not limited to, Cardinal Health, McKesson or AmerisourceBergen.**

**Government and Regional Agencies (Ex. Public Health, County Emergency Management Services)**

### **5. Emergency Power**

- i. Reliable emergency power generating capacity for the areas is provided.*

**Emergency power is provided to the areas in question via a group of (4) 350KW generators that feed (2) essential system distribution boards and (4) 450KW generators which feeds another (2) essential system distribution boards. Power is then distributed to the facility via the aforementioned (4) essential system distribution boards to a series of downstream distribution panels and motor control centers.**

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- ii. *Emergency power is adequate to provide for all essential services for 72 hours of continuous, full-load demand before replenishment is needed.*

**Based on our analysis of the existing underground 41,187-gallon fuel tank and of the facility essential electrical distribution system current full load demand, emergency power is adequate to provide for all essential services for the excess of 96 hours.**

- iii. *Facility has a means for emergency fuel replenishment.*

**Miller Children's & Women's Hospital Long Beach currently have agreements in place with Dion & Sons for fuel replacements.**

- iv. *Facility has a means of providing essential electrical power in the event of its generator(s) failure.*

**The essential electrical system has a group of (4) 350KW generators that feed (2) essential system distribution boards (Group A) and (4) 450KW generators which feeds another (2) essential system distribution boards (Group B). The total load demand of the (2) generator groups (Group A and Group B) can be supplied by (2) generators of each group. Ex. Generator in group A fails, the PLC's are programed to transfer loads to each of the (2) emergency boards in group B.**

- v. *Stat Lab and blood bank have been identified as essential services.*

**Stat Lab and Blood Bank are identified as essential services. Essential power is being provided to the area via Critical Branch Panel 'EP1BD' and Life Safety Branch Panel 'EHSAB'.**

### **6. Water Supply**

*Facility has a means to obtain water service for the areas in the event normal water service is not available.*

**Miller Children's & Women's Hospital Long Beach currently holds approximately 6,000 gallons worth of water supplies. The facility will undergo a retrofit to provide a 240,000\* gallon water tank. (NPC5 info)**

**\* - Per Water Rationing Report**

### **7. Medical Gases**

*Facility has a means to obtain medical gases for areas in the event normal medical gas systems and supplies are not available.*

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**Miller Children's & Women's Hospital Long Beach currently have agreements in place with Airgas for all emergency Medical Gas needs and can reach out to Government and Regional Agencies (County Emergency Management Services)**

### **8. Ventilation**

- i. Facility can isolate and shut down Heating, Ventilation, and Air Conditioning (HVAC) system zones in an emergency.*

**Miller Children's & Women's Hospital Long Beach is able to isolate and shut down the HVAC system at an AHU level.**

- ii. Guidelines are in place for emergency shutdown.*

**Miller Children's & Women's Hospital Long Beach have guidelines and procedures for emergency shutdowns of their systems.**

- iii. Sections of the facility can be isolated.*

**Miller Children's & Women's Hospital Long Beach is able to isolate and shut down the HVAC system at an AHU level.**

- iv. Individuals are identified who have authority for ordering HVAC shutdown 24/7.*

**Within Miller Children's & Women's Hospital Long Beach's emergency reporting structure, the Infrastructure Branch Director has the authority for ordering HVAC shutdowns.**

- v. Air intakes are protected from tampering.*

**All air intakes are located on rooftop and are protected from tampering.**

- vi. Facilities and Engineering staff have knowledge of HVAC zones and shutdown procedures.*

**Facilities and Engineering staff are trained on the shutdown procedures and have full knowledge of the HVAC zones of the facility.**

- vii. Facility maintains adequate emergency supplies of filters for HVAC systems.*

**Miller Children's & Women's Hospital Long Beach maintains a supply of emergency filters for the HVAC System**

### **9. Waste Disposal**

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- i. Procedures for management and disposal of an increased volume of contaminated wastes, goods, and fluids for 72 hours are in place.*

**Miller Children's & Women's Hospital Long Beach waste management procedures are pursuant their Environmental of Care Manual, Section: Hazardous Materials and Waste Management.**

**The facility will also undergo a retrofit to provide a 240,000\* gallon wastewater holding tank**

**\* - Per Water Rationing Report.**