



Glenn County Operational Area

Integrated Preparedness Plan
2019-2024

Updated August 16, 2022

PREFACE

This Integrated Preparedness Plan (IPP) was developed in 2021, expanding the former Training and Exercise Plan (TEP) to a holistic preparedness document. This IPP was developed by the Glenn County Office of Emergency Services for the Glenn County Operational Area. The IPP serves as a planning document and prioritizes planning, organization, equipment, training, and exercise capabilities for response agencies.

This IPP covers a five-year period beginning in 2019 through 2024. This five-year period was selected to ensure consistency with the current five-year period established for the Hospital Preparedness Program (HPP) grant program.

The IPP is the primary responsibility of Glenn County Sheriff's Office – OES and Glenn County Health and Human Services Agency – Public Health Emergency Preparedness Program. This document is updated annually.

POINTS OF CONTACT (POC)

Glenn County OA POC

Amy Travis, MHOAC
Deputy Director of OES
Glenn County Sheriff's Office
543 W Oak St
Willows, CA 95988
530-934-6441
atravis@countyofglenn.net

Mary Thomas
Emergency Preparedness Coordinator
Glenn County Health & Human services Agency – Public Health
240 N. Villa Ave.
Willows, CA 95988
530-934-6588
mary.thomas@countyofglenn.net

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PURPOSE

The purpose of Integrated Preparedness Plan (IPP) is to provide an analysis of issues, trends, and key outcomes of preparedness priorities such as those covered in a multi-year schedule of preparedness activities. The program report is designed to:

- Inform senior leaders on the progress of preparedness priorities.
- Provide data to support preparedness assessments and reporting requirements, and
- Enable exercise planners to modify objectives and the preparedness activity schedule to reflect knowledge gathered from the exercises process, so organizations can address known shortfalls prior to exercising capabilities.

The Multi-year IPP should lay out a combination of progressively building exercises – along with the associated training requirements – which address the priorities identified in the Integrated Preparedness Workshop (IPPW). A progressive, multi-year exercise program enables organizations to participate in a series of increasingly complex exercises, with each successive exercise building upon the previous one until mastery is achieved. Further, by including training requirements in the planning process, organizations can address known shortfalls prior to exercising capabilities.

A Multi-year IPP may also serve as a follow-on companion document to the Glenn County Office of Emergency Services and Public Health Preparedness and Health Care Coalition Preparedness plan (work plan documents and other preparedness tools) and can provide a roadmap for Glenn County to follow in accomplishing the priorities described therein.

Included in this Multi-year IPP is a training and exercise schedule, which provides a graphic illustration of the proposed activities scheduled for the years 2019 through 2024.

Update August 27, 2021

Adjustments to the schedule of exercises due to COVID-19 response and restrictions. Restrictions for limited in-person training and exercises has resulted in the cancellation and delay of a numerous events. Due to the unknown timeline for the return of these activities, adjustments have been made to the schedule through 2024.

Threats, Hazards, Risks

As identified in the 2019 OA EOP, Glenn County is vulnerable to the following hazards:

- Hazardous materials incident/release (both fixed facility and transportation)
- Flood
- Severe weather (heat, storms, etc.)
- Levee Failure
- Transportation Mass Casualty Incident
- Utility Disruptions (communications, power, water, sewage)
- Wildfires
- Disease Outbreak/Epidemic/Pandemic
- Dam Failure
- Landslide/mudslide
- Seismic events – Earthquake/Volcano
- Chemical, Biological, Radiological, Nuclear, Explosive (CBRNE) events
- Terrorism, Bioterrorism, Agroterrorism
- Social unrest

Cybersecurity vulnerabilities was added through a review and update of the Hazard Vulnerability Assessment in August 2022.

Preparedness Priorities

Based on the above-mentioned considerations, it was determined the following priorities will be the focus for the multi-year cycle of preparedness:

Preparedness Priorities
1. Emergency Operations & Communications – Train and equip for all-hazards emergency operations coordination and communications.
2. Evacuation Operations – Improve the efficiency of evacuations.
3. Mass Care & Shelter Operations – Increase the ability to manage human and animal sheltering operations
4. Public Health & Medical Surge and specialty care – Develop plans to address gaps in surge and specialty care related to infectious disease, chemical, and burn incidents.
5. Mass Casualty Incidents – Increase the ability to respond to multi casualty and mass casualty incidents.
6. Cybersecurity – Enhance security of information technology systems.

Priority 1

Emergency Operations & Communication

Corresponding Core Capabilities:

- Operational Coordination
- Operational Communications
- Public Information & Warning

Rationale:

Emergency operations communication are critical to every response, all hazards. Without the appropriate infrastructure in place communications and coordination may fail.

Planning Factors:

- The Glenn County Operational Area Emergency Operations Plan was approved and implemented in September 2019.
 - Review and update plan and annexes in 5-year cycle
- Review and update the jurisdictional Hazard Vulnerability Assessment (HVA)
- Review and update the Crisis Emergency Risk Communication Plan (CERC).
- Review and update the Tactical Communications Plan.
- Review and update the Glenn County Hazardous Materials Emergency Response Plan

Organization and Equipment:

- Purchase and install a backup generator for Orland Fire and primary Emergency Operations Center – Orland HHSA building to ensure large scale incident operations are not hampered due to power outage.
- Update and restore radio communications infrastructure at both repeater locations. Identify and equip additional radio voter sites in north and east sides of the county.
- Equip primary and alternate EOC locations.
- Purchase portable electronic signs to communicate public messaging during incidents.
- Purchase and equip mobile OES command trailer.
- Credential OES staff for EOC Command and Section Chief positions

Supporting Training Courses:

- Incident Command System (ICS) 100, 200, 300, 400, 402, 700, 800 trainings
- Medical Health Operational Center Support Activities (MHOCSA) Training
- Crisis Emergency Risk Communication trainings
- Mobilizing Faith Based Organizations in Disaster Response

- Search & Rescue (SAR) Trainings
- Professional Development Series (PDS) OES trainings
- Hazard Mitigation Training
- EOC Action Plan Training
- Continuity of Operations/Continuity of Government (COOP/COG) trainings

Supporting Exercises:

- Annual Statewide Medical-Health Exercise (SWMHE) series
- Redundant Communications Drills
- Annual Emergency Alert & Warning Drill
- Annual Dam Tabletop Exercise (TTX) (DWR, BOR, Army Corps)
- Annual Central Valley Gas TTX
- Annual Glenn County Search and Rescue (SAR) Functional Exercise
- 2019 Department of Water Resources (DWR) Oroville Dam Functional Exercise
- 2019/2022 Shelter Functional Exercise
- 2023 Evacuation and Ag Pass Exercise
- 2024 EOC TTX/FE

Priority 2

Evacuation Operations

Corresponding Core Capabilities:

- Operational Coordination
- Operational Communications
- Public Information & Warning
- Mass Search & Rescue Operations

Rationale:

The need for evacuations resulted from the following incidents:

- 2018 Chrome Fire
- 2018 Mendocino Complex Fire
- 2020 August Complex Fire
- Evacuation is likely response action in response to hazards such as flood, dam/levee failure, and wildfire, all of which rank in our top 10 hazards.

To improve efficiency of future evacuations the following areas were identified for improvement.

Planning Factors:

- The Glenn County Operational Area Emergency Operations Plan was approved and implemented in September 2019. This Plan includes an Annex for Evacuation.
- Development of evacuation zones and mapping would expedite and clarify evacuation orders and notifications. Update Evacuation Plan Annex following completion of this project.
- Establish an Ag Pass Program consistent with surrounding counties within the region. This program will expedite and verify residential access to properties under evacuation orders, permitting access to evacuate or care for livestock.

Organization and Equipment:

- Establish evacuation zone map layers in GIS platform and input in CodeRED alert system.
- Purchase necessary GIS capable mapping equipment

Supporting Training Courses:

- Ag Pass Program Training
- Flood Fight Training
- Search and Rescue trainings

Supporting Exercises:

- Annual Statewide Medical-Health Exercise (SWMHE) series

- Redundant Communications Drills
- Annual Emergency Alert & Warning Drill
- Monthly Integrated Public Alert & Warning System (IPAWS) drills
- Annual Dam Tabletop Exercise (TTX) (DWR, BOR, Army Corps)
- Annual Shakeout Drill
- Annual Glenn County Search and Rescue Functional Exercise
- 2019 Department of Water Resources (DWR) Oroville Dam FE
- 2020 J Levee Exercise
- 2023 Evacuation and Ag Pass Exercise

Priority 3

Mass Care & Shelter

Corresponding Core Capabilities:

- Mass Care Services

Rationale:

- February 2017 Sheltering and Storms – real incident.
- November 2018 Campfire – real incident
- August Complex Fire – real incident
- Mass care and shelter activation and operations is relevant to the response to hazards such as flood, dam/levee failure, wildfire, and mass evacuation from a neighboring jurisdiction, all of which rank in our top 10 hazards.

Planning Factors:

- The Glenn County Operational Area Emergency Operations Plan was approved and implemented in September 2019. This Plan includes an Annex for Care and Shelter.
- The Shelter Field Operations Guide was developed and implemented in 2019 resulting from the Campfire incident after action report.

Organization and Equipment:

- Purchase and equip sheltering trailers, located in north and south county staging areas
- Purchase necessary equipment for animal sheltering as identified during the Campfire and the August Complex incident AARs.
- Identify additional shelter operations and shelter management staff.

Supporting Training Courses:

- Shelter worker training
- Shelter management training
- Animal services and sheltering training
- Access and Functional Needs (AFN) training

Supporting Exercises:

- 2019 Glenn County Shelter Functional Exercise (flood)
- 2022 Shelter Functional Exercise

Priority 4

Public Health & Medical Surge and Specialty Care

Corresponding Core Capabilities:

- Environmental Response/Health & Safety
- Public Health & Medical Services

Rationale:

- Medical surge and specialty care operations is relevant to the response to hazardous materials release, chemical biological radiological nuclear and explosive (CBRNE) incidents and communicable disease and pandemics, all of which rank in our top 10 hazards.
- Covid-19 Pandemic incident

Planning Factors:

- The Glenn County Public Health and Medical Emergency Operations Plan and specialty plan annexes shall be reviewed and updated.
- Development of Butte-Glenn Healthcare Coalition Preparedness & Response Plans to include continuity of operations, medical surge
- Development of Regional Medical Health Surge Plans to include specialty surge plans for pediatric surge, burn incidents, chemical and radiation.
- Update to the Region III CHEMPACK Plan

Organization and Equipment:

- Purchase additional storage for surge supply cache to include climate-controlled storage.
- Purchase PAPR and APRs for response to CBRNE.
- Gas detection equipment for CBRNE and drug/medications

Supporting Training Courses:

- CHEMPACK training
- First Receiver Operations (FRO) training
- Hospital Emergency Response Team (HERT) training
- Annual Hospital Surge Drill through the Butte Glenn Healthcare Coalition
- Annual Regional Epidemiology Training
- Healthcare Leadership Training at the Center for Domestic Preparedness
- Hospital Emergency Response Team Training (HERT) at the Center for Domestic Preparedness

- Emergency Medical Operations (EMO) at the Center for Domestic Preparedness
- Disaster Related Exposure Assessment and Monitoring (DREAM) at the Center for Domestic Preparedness
- First Responder Operations Decontamination Operations for Healthcare Training
- Medical Health Operations Center Support Activities (MHOCSA) Training
- MCI Basic and Advanced training for fire and EMS
- PH & Medical Emergency Operations Manual (EOM) Training
- Disaster Behavioral Health and Critical Incident Stress Debriefing trainings
- Pediatric Disaster Response trainings
- Mass Medication Dispensing/Point of Dispensing (POD) Training
- Environmental Health Training in Emergencies (EHTER)

Supporting Exercises:

- Annual Statewide Medical-Health Exercise (SWMHE) series
 - 2019 Infectious Disease Exercise
 - 2023 Burn Surge Exercise
- 2019 CA Emergency Preparedness Training Workshop (EPTW) – OES/MHOAC TTX
- 2022 Region 3 CHEMPACK FSE
- Annual Hospital Surge Drill
- Annual Mass Vaccination Functional Exercise
- Annual Autumn Charge – Disaster Healthcare Volunteers Drill
- Annual RAND drills for Medical Countermeasures
- Mobile Field Hospital Surge Functional Exercise

Priority 5

Mass Casualty Incidents

Corresponding Core Capabilities:

- Operational Coordination
- Operational Communication
- Public Health & Medical Services

Rationale:

- MCI response training was prioritized resulting from the 2014 Orland Bus Accident – real incident.
- MCI ranks in our top hazards and multi-casualty incidents occur on a semi-routine basis.

Planning Factors:

- The Region III Multi-Casualty Incident Plan will be reviewed.
- Mass Fatality Plan will be updated.
- Develop a Family Assistance Center (reunification) Plan

Organization and Equipment:

- Purchase Get Home Alive Trauma Kits for law enforcement.
- Purchase tactical medical response supplies.

Supporting Training Courses:

- Annual Region 3 MCI Plan training
- Glenn County Law Enforcement Active Shooter Response Training
- MCI Basic and Advanced training for fire and EMS
- Crisis Management for School Based Incidents
- CHEMPACK trainings
- Emergency Medical Operations at the Center for Domestic Preparedness
- Terrorism Liaison Officer (TLO) Training and Combating Violent Domestic Extremist (CVE)
- Mass Fatality Training
- Stop the Bleed citizen response training

Supporting Exercises:

- 2019 & 2023 Glenn County MCI Full Scale Exercise – Active Shooter
- Annual Statewide Medical Health Exercise series
- 2022 CHEMPACK FSE
- 2024 MCI/Family Reunification TTX
- Annual Fire MCI drills

Priority 6

Cybersecurity

Corresponding Core Capabilities:

- Cybersecurity

Rationale:

- Daily activities as well as response is highly dependent on our ability to communicate, retain, and transfer data via electronic sources.
- Cyber vulnerabilities exist in operating infrastructure.
- Cyber-attacks have significantly increased and organizations within Glenn County have been impacted by cyber-attacks in 2022 resulting in significant disruption of services.

Planning Factors:

- Homeland Security Grant Program Cyber Assessment
- Security/Risk Assessment implementation
- Development of Continuity of Operations Plan with a cyber element

Organization and Equipment:

- Purchase and implement multi-factor authentication
- Bolster network infrastructure and enhance network security
- Implement security monitoring systems for network

Supporting Training Courses:

- TEEX Understanding Targeted Cyber Attacks (or similar) Training

Methodology and Tracking

All training and exercises will be conducted utilizing Homeland Security Exercise Planning and Evaluation Program guidelines (HSEEP). All exercises will incorporate evaluation. All exercises and real incidents will include participant feedback, after action meeting, and an After-Action Report and Improvement Plan. The Improvement Plan will be loaded into the Glenn County Corrective Action Plan tool for tracking activities and completion.

MULTI-YEAR INTEGRATED PREPAREDNESS SCHEDULE

Glenn County Multi-year IPP Schedule 2019 – Complete

Activity	Priority 1 Ops & Comms	Priority 2 Evac	Priority 3 Mass Care	Priority 4 PH & Med	Priority 5 MCI
Plan	OA EOP Update	OA EOP – Evac Annex	Shelter Field Operations Guide OA EOP – Mass Care Annex	OA EOP PH & Med Annex Healthcare Response Plan PH & Med EOP Update Reg III CHEMPACK Plan update	
Equip	Orland Fire Generator Project OES Command Trailer Comm project equipment		Shelter supplies	Med Surge supplies	CAT Tourniquets
Train	Annual ICS 100-200-700-800 ICS 300-400-402 COOP/COG training	Flood Fight Training	AFN Prep & Planning	MHOCSA Training CHEMPACK Training Regional Epi Training Pediatric Disaster Response HCL Training at CDP Med Mgmt. of CBRNE Events PH & Med EOM Training Disaster BH Training Ped Disaster Response	Mass Fatality Training MCI Plan Training
Exercise	Emergency Alert & Warning Drill Stony Gorge BOR FE Monthly IPAWS drills Comm drills Real Incident - Winter Storms & Flooding	(DWR) Oroville Dam FE Central Valley Gas TTX Shakeout Drill	Shelter FE	Annual Hospital Surge Ex SWMHE – Infectious Disease MFH FE Mass Vaccination FE DHV drills RAND drills EPTW – OES/MHOAC TTX Reg. III Disaster BH TTX	MCI FSE – Active Shooter Annual Fire MCI Drill

Glenn County Multi-year IPP Schedule 2020 – Complete

Activity	Priority 1 Ops & Comms	Priority 2 Evac	Priority 3 Mass Care	Priority 4 PH & Med	Priority 5 MCI
Plan				HC Surge Plan update to B-G HHSA COOP	Mass Fatality Plan update
Organize					
Equip	Satellite phones Radio equipment		Sheltering supplies	Med surge supplies	Tactical med supplies Rescue litters
Train	Annual ICS 100-200-700-800 ICS 300-400 Mobilizing FBOs PDS OES courses SAR Trainings			HCL Training at CDP HERT Training at CDP	Crisis Mgmt. for school Based Incidents MCI Basic & Advanced Training
Exercise	Emergency Alert & Warning Drill Oroville Dam TTX Monthly IPAWS drills Comm drills Real incident – August Complex Fire	J Levee FE Shakeout Drill Real Incident – August Complex activation		DHV drills RAND drills Real Incident – COVID-19 EOC activation	Annual Fire MCI drill

**All activities are listed only once under their primary capability/priority area to streamline data in this table.*

***Preparedness activities including trainings & exercises from March 2020 through May 2021 were cancelled due to COVID*

Glenn County Multi-year IPP Schedule 2021 – Complete

Activity	Priority 1 Ops & Comms	Priority 2 Evac	Priority 3 Mass Care	Priority 4 PH & Med	Priority 5 MCI
Plan	Emergency Resource Directory & IMS update			Pan Flu Response Plan Update HCC Disease Surge Plan	
Organize	EOC Credentialing				
Equip	Generator projects Repeater projects		Portable electronic signs Animal sheltering equip Shelter supplies	Climate controlled storage Med surge & PPE supplies POD supplies	
Train	Annual ICS 100-200-700-800 SAR trainings OES - PDS Training			EMO Training @ CDP MHOCSA Training	MCI Plan Training
Exercise	Search & Rescue FSE Alert & Warning Drill Oroville Dam TTX Monthly IPAWS drills Comm drills Real incident - Drought	Central Valley Gas TTX		Hospital Surge Ex DHV drills RAND drills Mass Vax FE Real Incident – COVID-19 EOC activation	Annual Fire MCI Drill

**All activities are listed only once under their primary capability/priority area to streamline data in this table.*

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Glenn County Multi-year IPP Schedule 2022 – In Progress

Activity	Priority 1 Ops & Comms	Priority 2 Evac	Priority 3 Mass Care	Priority 4 PH & Med	Priority 5 MCI	Priority 6 Cyber
Plan	HazMat Emergency response SOG Update			HCC Pediatric Surge Annex HCC COOP Regional Chemical Annex Reg III CHEMPACK Plan update Health HVA Update SPIDER Plan Update		Cybersecurity assessment
Organize	EOC Credentialing	Evac zone mapping				Multi-Factor Authentication Implementation
Equip	Alt. EOC site equipment Repeater and voter projects EOC generator project		Animal trailer Sheltering supplies	PAPR/APRs & decon equip. POD supplies Med Surge & PPE supplies	CPR Lucas Devices	
Train	Annual ICS 100-200-700-800 ICS 300-400-402 PIO Training SAR Trainings Hazard Mitigation Training	Ag Pass & Livestock Training	Animal sheltering training Shelter worker training Shelter Manager training	CHEMPACK training Reg. Epi training Pediatric Disaster Response training MHOCSA Training POD training EHTER Training	TLO Training Mass Fatality Training MCI Plan Training	
Exercise	Alert & Warning Drill Monthly IPAWS drills Comm drills SAR FE	(DWR) Oroville Dam TTX	Shelter FE	Hospital Surge Ex DHV drills RAND drills Mass Vax FE Reg. III CHEMPACK FSE	Annual Fire MCI Drill	

**All activities are listed only once under their primary capability/priority area to streamline data in this table.*

***Additional activities will be identified and added as result of exercise and incident AARs.*

Glenn County Multi-year IPP Schedule 2023

Activity	Priority 1 Ops & Comms	Priority 2 Evac	Priority 3 Mass Care	Priority 4 PH & Med	Priority 5 MCI	Priority 6 Cyber
Plan	OA EOP Update HVA/THIRA Update Drought Plan CERC Plan Update	Evac Plan Annex Update		HCC Burn & Rad Surge Annex Responder H&S Plan update	Reg III MCI Plan Update	COOP to include Cyber
Organize	EOC Credentialing	Road closure and damage GIS mapping				
Equip	OES Command Trailer Equipment EMP Protection for Comm equipment PSAP/EOC security project EOC generator install project Radios and repeater projects	Map plotter GIS equipment	Sheltering supplies	Med Surge supplies CBRNE gas detection device	MCI med response supplies CPR Lucas Devices	Bolster network infrastructure and security monitoring systems
Train	EOC Action Plan training OES - PDS training Annual ICS 100-200-700-800 SAR Trainings	Flood Fight training	Shelter Training	PH & Med EOM training BH CISD training Reg. Epi Training FRO/Pt decon training DREAM training @ CDP	TLO - CVE Training MCI Training	Cybersecurity training
Exercise	Alert & Warning Drill Dam TTX Monthly IPAWS drills Comm drills SAR Ex	Evacuation & Ag Pass Ex Central Valley Gas TTX		Hospital Surge Ex DHV drills RAND drills Mass Vax FE SWMHE TTX & FE Burn Surge Ex	MCI FE - Active Shooter Annual Fire MCI Drill	

*All activities are listed only once under their primary capability/priority area to streamline data in this table.

**Additional activities will be identified and added as result of exercise and incident AARs.

Glenn County Multi-year IPP Schedule 2024

Activity	Priority 1 Ops & Comms	Priority 2 Evac	Priority 3 Mass Care	Priority 4 PH & Med	Priority 5 MCI	Priority 6 Cyber
Plan	Tactical Comm Plan update		Shelter FOG Update	PH & Med EOP update MCM Plan update	Mass Fatality Plan update Family Asst Center Plan	
Organize						
Equip	EOC Equipment			Med surge supplies		Continue network infrastructure and security monitoring systems improvements
Train	Annual ICS 100-200-700-800 ICS 300-400-402 PIO Training SAR Trainings	Ag Pass & Livestock Training	AFN training	CHEMPACK training FRO/Pt decon training Reg. Epi Training	Stop the Bleed trainings	
Exercise	Alert & Warning Drill EOC TTX/FE Dam TTX Monthly IPAWS drills Comm drills SAR Ex	Central Valley Gas TTX		Hospital Surge Ex DHV drills RAND drills Mass Vax FE SWMHE TTX & FE MFH FE	MCI/Family Reunification TTX Annual Fire MCI Drill	

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