

2018 Gas Safety Plan – Attachment 2

Change Log

Contents

PG&E's Gas Strategic Asset Management Plan Change Log	Pg. 1
Gas Storage Asset Management Plan Change Log	Pg. 2
Compression and Processing Asset Management Plan Change Log	Pg. 4
Transmission Pipe Asset Management Plan Change Log	Pg. 6
Measurement and Control Asset Management Plan Change Log	Pg. 7
Distribution Mains and Services Asset Management Plan Change Log	Pg. 10
Customer Connected Equipment Asset Management Plan Change Log	Pg. 11
Liquefied Natural Gas a Gas Asset Management Plan Change Log	Pg. 12
Compressed Natural Gas Asset Management Plan Change Log	Pg. 13
Gas Emergency Response Plan Change Log	Pg. 14
PG&E's Company Emergency Response Plan Change Log	Pg. 15

A. Change Log

The following table summarizes revisions since the previous publication of GP-1100: Asset Management Strategy & Objectives, Revision 3, 8/1/2016.

Table 5 – Strategic Asset Management Plan Change Log

Section	Change	Reason for Change	Implication of Change
3.3	Expanded section on data	Include work ongoing to manage data as an asset	Ensure change is communicated to stakeholders
3.5	Updated Gas strategic objectives	Updated strategic objectives to reflect latest objectives changes in the business	Ensure strategic objectives are communicated with stakeholders
3.4	Removed content related to the Integrated Planning Process and Risk Management	This information is now included in the Strategic Risk Management Plan (GP-2100)	Ensure publication of the Strategic Risk Management Plan is communicated to the business
4.2	PAS 55/ISO 55001 self-assessment changed from annually to every three years	To align with recertification cycle of every 3 years	Ensure stakeholders are aware of this change
5	Updated roles and responsibilities	Revised roles and responsibilities to reflect organizational changes in business	Ensure individuals with specified roles and responsibilities are aware of changes
6	Revised continual improvement items	Updates are based on the most recent self-assessment performed against PAS 55 and ISO 55001 standards	None – a process exists to manage ongoing improvement activities through the Gas Safety Excellence roadmap

G. Change Log

The following table summarizes revisions since the previous publication of GP-1108: Gas Storage Asset Management Plan, Revision 3, August 2016.

Table 27 - Asset Management Plan Change Log

Section	Change	Reason for Change	Implication of Change
1	Removed Executive summary and simplified introduction	Reduced redundancy per Lloyd's audit comment	None
2.1	Added expanded descriptions of the assets	Expanded descriptions provide more context for someone not familiar with storage field assets and how they operate	None
Table 2	Updated for revised operational statistics	To correctly reflect operational values	None
2.2.1	Added language regarding activities from the past year that provide more information regarding risk and asset condition	These studies provide more information that can inform how decisions are made regarding the assets	None
Table 4	Condensed well count table	Adds clarity to presentation of data	None
2.2.2 Sand Inspections	Updated analysis discussion and trend chart with current data for sand inspection results	Update data presented	None
2.2.4 Surface Equipment	Updated analysis discussion and trend charts with current data	Update data presented	None
2.2.5	Updated discussion regarding current leak survey practices and findings	Update data presented	None
3.1.2	Add discussion regarding change to rollup risk structure for storage	Provide background to grouping risks into rollup categories based on asset type failure	None
Figure 7	Updated Gas Ops Risk Profile chart	Reflect new rankings of Storage asset family risks relative to gas operations risks	None
Table 13	Updated Key Risks Table	Reflect current ranking of risks in storage ask family	None
3.2	Added discussion regarding developments to the WELL	Updated to be relevant for current environment	None



Section	Change	Reason for Change	Implication of Change
Table 14	Strategic Objectives Updated	Reflects updates based on changes in regulatory environment	None
4	Added section to discuss the pending regulation impacting storage resultant from Aliso Canyon Incident	Provide background and set stage for change into how assets in the storage family will be managed going forward. Replaced Appendix J with text narrative.	None
5	Areas for continuous Improvement updated	Updated for current outlook	None
Table 18	Removed program for station design standardization	Alignment with C&P Asset Family	None
Table 22	Updated for 2017 risk register risks	Alignment with current review period	None
Appendix D	Stakeholder roles and responsibilities matrix	Updated Stakeholder group names to reflect the new organizational structure	None
Appendix I	Updated R&S project table	Updated to reflect current, completed, and planned R&D projects.	None
Appendix J	Removed Appendix on DOGGR Emergency Regulations	Current status and impact of regulations was added into Section 4	None

G. Change Log

The following table summarizes revisions since the previous publication of GP-1105: Compression & Processing Asset Management Plan, Revision 3, August 2016.

Table 20 – Asset Management Plan Change Log

Section	Change	Reason for Change	Implication of Change
Entire Asset Management Plan	Update to previous version of Asset Management Plan dated August 1, 2016	Updated information regarding fleet of C&P assets; condition of C&P assets; risks associated with C&P assets; mitigations associated with risks to C&P assets; and continuous improvement activities associated with C&P assets	Updated information
Introduction	Added brief introductory statement for Asset Management Plan that replaces the executive summary.	General format change requested of all Asset Management Plans	Updated document structure
Section 2	Removed subsection “System / Component Health Scores”	Data refresh planned; information available in Station Equipment Database	Updated information
Section 4.1	Revised Strategic Objectives; removed objective related to corrosion monitoring programs; modified target for objective related to unscheduled shutdowns; revised target for physical security upgrade implementation	Received update from Corrosion that geography-based IC monitoring and mitigation plans are under development; revised unscheduled shutdown target to more accurately align with goal; revised physical security timeline based on new program end date	Strategic objectives more accurately represent on-going activities and targets
Section 5	Changes and updates to areas of continuous improvement	Updated continuous improvements list to more closely align with current thinking	Activities identified are more achievable and less aspirational
Appendix B	Introductory language for the Threat Matrix updated	Need to more clearly communicate purpose of Threat Matrix	Updated information
Appendix F	Updated acronyms	Removed acronyms no longer in use (e.g., T&R) and replaced with current terminology (e.g., GPOM)	Updated information
Appendices	Removed the following appendices from Asset Management Plan: H. Condition Health Scoring Model and Criteria	Data refresh planned; information available in Station Equipment Database	Updated information

Section	Change	Reason for Change	Implication of Change
	I. C&P System Target Score Criteria J. C&P System Health Scores L. Data Assessment		
Appendix H (former Appendix K)	Updated Compressor Dashboard figures and updated availability and reliability charts to show 2016 data	Updated information due to dashboard improvements	Updated information
Appendix J (former Appendix N)	Incorporated revised Long Term Compression Investment Plan	A revision to the plan was completed since the last update of the Asset Management Plan	Updated view of planned investments over a 30-year period

G. Change Log

The following table summarizes revisions since the previous publication of GP-1101: Transmission Pipe Asset Management Plan, Revision 3, which was published August 2016.

Table 17 – Asset Management Plan Change Log

Section	Change	Reason for Change	Implication of Change
Entire Asset Management Plan	Updated asset family statistics, asset and metric information, charts and tables	2016 data available.	Improved asset knowledge
Section 1	Added Introduction section and removed Executive Summary	Reduce redundancy per Lloyd's audit comment. The executive summary was no longer requested by PG&E senior management	None
Section 2	Added asset inventory	Improve asset knowledge and understanding. Compiled numerous data into single location	Improved asset knowledge
Section 3	Added threat and risk information, including histogram	Include appropriate executive summary content into the main document	None
Section 3.1, and Appendix C	Update list of risks to reflect 2017 Session D risk ranks	Consistent view of risks based on ranking	Increased focus on Stress Corrosion Cracking risk
Section 4.1	Removed 3 strategic objectives, which are now goals under the Integrity Management strategic objective. Modified Table 9 to new strategic objectives and added programs	Improve relationship between strategic objectives and goals	None
Section 4.2	Added programs, mitigations and metrics	Align with other AMPs	None
Section 5	Added accomplishments	Align with C&P AMP	None
Appendix B	Added explanatory text for the Threat Matrix	Provided additional information to better explain the Threat Matrix and RAG status.	None
Appendix D	Stakeholder roles and responsibilities matrix	Updated stakeholder group names to reflect the new organizational structure	None

G. Change Log

The following table summarizes revisions since the previous publication of GP-1104: Measurement & Control Asset Management Plan, Revision 3, August 2016.

Table 17 - Asset Management Plan Change Log

Section	Change	Reason for Change	Implication of Change
Introduction	Added brief introductory statement for asset management plan that replaces the executive summary.	General format change requested of all Asset Management Plans	Updated document structure
Section 2.1	In description of assets after Figure 2, add description of "large volume customers" consistent with revised TD-4551S.	Consistency with change to transmission assets per TD-4551S	Updated information
Section 2.1	In description of assets after Figure 2, confirm asset descriptions with TD-4551S	Consistency with change to transmission assets per TD-4551S	Updated information
Section 2.2, Table 1	Modified station categories per TD-4551S (i.e., merged Terminals with Complex Stations and added Automated Valves); Added "large volume customers" to Table 1	Consistency with current asset information	Updated information
Section 2.2, Table 1	Update asset numbers in Table 1 with current information for all assets	Consistency with current asset information	Updated information
Section 2.2	In information after Table 1 notes, modify discussion of condition assessment	Consistency with current asset information	Updated information
Section 2.2.3	Update this section with current information and modify Figures 2-5.	Consistency with current asset information	Updated information
Section 2.2.3, Table 4	Add "large volume customers" to the table with description	Consistency with current asset information	Updated information
Section 2.2.4	Added content	Updated information available	Updated information
Section 3	Reworked content prior to section 3.1.1	Consistency with other asset management plans	Updated document structure

Section	Change	Reason for Change	Implication of Change
Section 3, Table 5	Added table showing enterprise risks	Consistency with other asset management plans	Updated document structure
Section 3, Figure 7	Replace Figure 7 with information from current risk register	Consistency with current risk register information	Updated information
Section 3.1.2, Table 6	Modify Table 6 with current risk register information	Consistency with current risk register information	Updated information
Section 4, Figure 9	Replace Figure 9 with information from current FIMP model	Consistency with current FIMP model information	Updated information
Section 4	Update section titled "FIMP Maturity Model" with current information.	Consistency with current FIMP model information	Updated information
Section 4, Figure 10	Replace Figure 10 with information from current FIMP model	Consistency with current FIMP model information	Updated information
Section 4, Figure 11	Replace Figure 11 with information from current FIMP model	Consistency with current FIMP model information	Updated information
Section 4, Figure 12	Replace Figure 12 with information from current FIMP model	Consistency with current FIMP model information	Updated information
Section 4, Table 8	Update Table 8 with updated strategic objectives	Consistency with current strategic objectives	Updated information
Section 4, Table 9	Update Table 9 with updated strategic objectives and programs (from current GT&S)	Consistency with current strategic objectives and programs	Updated information
Section 4.2, Table 10	Update Table 10 with updated programs (from current GT&S)	Consistency with current programs	Updated information
Section 4.2, Table 10	Confirm Table 10 programs for GRC (distribution)	Consistency with current programs	Updated information
Section 5	Update "progress" items at beginning of the section	Consistency with current asset information	Updated information
Section 5, Table 11	Update Table 11 for continuous improvement items	Consistency with current programs	Updated information
Appendix B	Revised introduction	Consistency with other AMPS	Updated information

Section	Change	Reason for Change	Implication of Change
Appendix B	Update with new threat matrices	Consistency with current risk register and other FIMP information	Updated information
Appendix B	Removed threat of BTU Heating Value	Study indicates that this threat does not exist	Updated information
Appendix C	Updated based on current risk register	Consistency with current risk register information	Updated information
Appendix D	Modified stakeholder roles and responsibilities matrix	Updated stakeholder group names to reflect the new organizational structure	Updated information
Appendix E	Update and refresh	Consistency with current programs	Updated information
Appendix F	Glossary: Added three acronyms and definitions (GDS, GPOM, LoS, and LVC)	Minor additions	Updated information
Appendix G	Updated with new changes	Consistency with revised Rev. 4 of M&C Asset Management Plan	Updated information
Appendix K	Updated information from station condition assessment	Consistency with current condition information	Updated information
Appendix L	Update	Consistency with current risk information	Updated information
Appendix M	Deleted previous version	Replaced by DNV Report	Updated information
Appendix P	Added	Included information on Station Scoping and Categorization Logic	Updated information
General	Updated of Figure and Table numbers based on overall revisions to the document	Based on deleted / added figures throughout the document	Updated information

F. Change Log

The following table summarizes revisions to the publication of the GP-1102: DMS Asset Management Plan, Revision 3, August 2016.

Table 16 - Asset Management Plan Change Log

Section	Change	Reason for Change	Implication of Change
Executive Summary	Removed from Asset Management Plan	No longer required	An Introduction Section will replace Executive Summary
Introduction	New Section	Replaces Executive Summary	None
Entire Asset Management Plan	Updated charts and tables	Updated with current data	None
Section 4	Strategic Objectives	Removed one strategic objective – overpressure reduction went to Measurement and Control AMP. Added Mechanical Fittings strategic objective - inadvertently left out of the 2016 DMS AMP	None
Appendix C	Asset Family Risks	Risk Scores and risk ranking updated to align with 2017 Risk Register Refresh	None
Appendix D	Stakeholder roles and responsibilities matrix	Updated Stakeholder group names to reflect the new organizational structure	None
Appendix F	Glossary of Acronyms and Abbreviations	Updated the glossary to reflect only the acronyms and abbreviations used in the DMS Asset Management Plan	None

G. Change Log

The following table summarizes revisions since the previous publication of GP-1103: Customer Connected Equipment Asset Management Plan, Revision 3, August 2016.

Table 13 - Asset Management Plan Change Log

Section	Change	Reason for Change	Implication of Change
Executive Summary	Removed from Asset Management Plan	Executive Summary no longer required	None
Introduction	New section in the Asset Management Plan	Replaces the Executive Summary section	None
Entire Asset Management Plan	Updated charts and tables	Updated with current data	None
Section 4	Strategic Objectives	Removed four strategic objectives (two which are complete, one no longer a priority and one are already addressed through the GMPCP and added one new strategic objectives	None
Appendix C	Revised Asset Family Risks	Risk Scores and risk ranking updated to align with 2017 Risk Register Refresh	None
Appendix D	Stakeholder Roles and Responsibilities Matrix	Updated Stakeholder Group names to reflect the new organization structure	None
Appendix F	Revised Glossary of Acronyms and Abbreviations	Updated glossary to reflect only acronyms and abbreviations used in the CCE Asset Management Plan	None

G Change Log

The Strategic Asset Management Plan (GP-1100) specifies the following content for this appendix:

1. Section of asset management plan affected
2. Description of the change
3. Reason for the change
4. Implication of the change

Table 16 - Changes to the August 2017 Edition

Section	Change	Reason for Change	Implication of Change
Entire AMP	added new asset inventory	Updated for completeness	Update
Entire AMP	Updated charts and tables	Updated with current data	Newer Info
Executive summary / Introduction	Deleted the separate ExSm document and added an Intro scn to this version	Revised Intro to achieve consistency across all AMP's. Remove ExSmy to simplify and remove redundancy	Reduce Redundancy
Table 6	Added explanations in some cases in which further clarity was appropriate, of applicability and value of metrics	Improve the reader's appreciation of the significance of the metrics	Increased Clarity
Appendix B. narrative	Rewrite	Revised to achieve consistency across all AMP's.	Increased Clarity
Appendix D	Updated Stakeholder group names to reflect the new organizational structure	New organization structure	Improve Accuracy



G Change Log

The Strategic Asset Management Plan (GP-1100) specifies the following content for this appendix:

1. Section of asset management plan affected
2. Description of the change
3. Reason for the change
4. Implication of the change

Table 16 - Changes to the August 2017 Edition

Section	Change	Reason for Change	Implication of Change
Entire AMP	added new asset inventory	Updated for completeness	Update
Entire AMP	Updated charts and tables	Updated with current data	Newer Info
Executive summary / Introduction	Deleted the separate ExSm document and added an Intro scn to this version	Revised Intro to achieve consistency across all AMP's. Remove ExSmy to simplify and remove redundancy	Reduce Redundancy
Table 5	Added explanations in some cases in which further clarity was appropriate, of applicability and value of metrics	Improve the reader's appreciation of the significance of the metrics	Increased Clarity
Appendix B. narrative	Rewrite	Revised to achieve consistency across all AMP's.	Increased Clarity
Appendix D	Updated Stakeholder group names to reflect the new organizational structure	New organization structure	Improve Accuracy

Significant Changes

The updates to Gas Emergency Response Plan (GERP) Revision 7.0 focused on the most significant changes and updates to content since the Plan's inception. Changes include the following items:

- Replaced encrypted (password-protected) GERP flash drives with GERP Drive Copy to provide access to the latest and most updated gas emergency response resources. The GERP Drive Copy is a shared drive that is accessible on personnel desktops. The drive is auto-updated weekly to ensure that you have access to new and updated gas emergency resources and supplementary tools. It is also available on users' desktops without network access for "tech-down" emergency scenarios.
- Re-organized Section 2, "Gas Operations Overview" for accuracy to reflect changes to the CERP formatting and the organizational changes within Gas Operations.
- Introduced new incident team that assists in emergency center activations. The Emergency Center Transition Team (ECTT) and its scope has been added to Section 3.
- Added Emergency Management Core Capabilities and how they are used in Gas Operations Emergency Response measurements in Section 5.
- Appendix B, Response Aids: Response Aids A, B and C have been added to the Gas Emergency Response Guide (flipbook) and LNG/CNG Response Aid has been added.
- Updated Appendix C, ICS Resources to reflect standard ICS positions, structure, forms, and references.
- Removed Appendix F, Emergency Resource Directory (formerly known as Volume 2) and will no longer be printed. It has been replaced with the GERP Resource Directory, a SharePoint database that is automatically backed-up for use in "tech-down" scenarios and available through the GERP Drive Copy.

Change Record

Changes made to the 2017 plan from the 2016 revision are noted in the table below.

2016 Section	2017 Section	Change Type	Change Detail
1.5 and others	1.6 and others	Update in Version 3.2	Corrected titles of VP Electric Transmission Operations and SVP Gas Operations. Added PG&E Emergency Preparedness Departments section to Table 1.1 CERP Base Plan Organization.
1.6 and others	1.7, 5.1, 6.1, 10.4, 10.6, 12.3, 13.5, 14.2, 16, E	Update in Version 3.1	VP Electric Transmission replaced VP Electric Distribution as the officer with authority for Emergency Preparedness and Response.
1.3	1.3	Update in 3.1	Mission, vision and culture statements updated
—	▲	New	Visual indicator of a new section not in the 2016 CERP
—	2.3.3	New	Added Energy Supply to Company Overview
—	3.3.1	New	Weather related scenarios added Emergency Scenarios
—	3.3.3	New	Cybersecurity
—	3.4	New	Threat Landscape
—	3.5	New	Annex Development
—	4.6	New	Catastrophic Incident Organization Consideration Added “carve” concept with text, images and tabular example
—	5.5	New	Power Generation (Hydro / Fossil / Solar / Fuel Cell) Emergency Preparedness added to §5.5 to ensure representation of all PG&E primary LOBs. Text reviewed by identified SMES.
—	6.14.2	New	Historian position and description added
—	7	New	EOC General Staff elevated to solo-selection status
—	8.2.1	New	Electric Distribution Control Centers (DCC) added to facilities list; in 2016 was referenced in §5.2 PG&E EMO (bulleted list) and referenced in §2.3.2 Functional Areas to §2.3.2.1 Electric
—	8.2.4	New	ENOC Enterprise Network Operations Center
—	8.2.5	New	Fairfield Security Control Center was referenced in the 2016 CERP in §2.3.1 Company Organization - Facilities (bulleted list), §5.2 PG&E Emergency Management Organization (parenthetical) in Control Center Staff (bulleted list) and §6.3.2.6 Triggers - Physical Security
—	8.2.6	New	Rancho Cordova Information Operations Center was referenced in the 2016 CERP in §2,3,1 Company Organization - Facilities (bulleted list)
—	Table 10.2	New	ARCOS description and graphic
—	14.1.5	New	Dual Commodity Coordination and Communication added, including a table for Gas and Electric Coordination Process Flow
—	E.6	New	Sample Initial Briefing
—	Index	New	Added index to facilitate search and retrieval of information
—	Footnotes	New	Added footnotes to provide additional clarity and support text by identifying source of material
—	Various	Correction	Edits to wording, subject-verb agreement, updated titles
—	Various	Correction	Corrected references that identified SOPP as System Outage Prediction Program; rather than Storm Outage Prediction Program.

2016 Section	2017 Section	Change Type	Change Detail
Various	Various	Correction	Converted text to tables to enhance comprehension
Various	Various	Enhancement	Consolidated text when similar information appeared in multiple sections
Various	Various	Enhancement	Organizational charts and other graphics updated, format made consistent, clarity of images improved
Various	2.1–2.4	Correction	Numbers relating to customers and assets validated. Inconsistencies eliminated and numbers consolidated into §2. Sources cited and SME information coordinated through PIO.
Preface	Preface	Update	Updated document preparer, reviewers, approver and owner; updated change record and change request form
1	1	Update	Introduction
1.5	5.1	Consolidation	Emergency Management and Preparedness Groups moved to §5 PG&E Emergency Management Organization (EMO); Business Continuity Planning consolidated into EP&R section; former work group “EMAP” added to EP&R section
1.5.1.1	6.2	Update	Electric Emergency Management and Public Safety moved to §6.2 and retitled Electric Emergency Management to be consistent with §6.1. Text reviewed by identified SME.
1.5.2	5.3	Consolidation	Gas System Operations Emergency Preparedness moved to §5.3 Gas Emergency Planning Team. Text reviewed by identified SMEs; business unit names updated for consistency.
1.5.3	5.2	Consolidation	Electric Emergency Management and Public Safety moved to §6.2 and retitled Electric Emergency Management to be consistent with §6.1. Text reviewed by identified SME
1.5.4	5.4	Consolidation	Diablo Canyon Power Plant (DCPP) Emergency Preparedness Program moved to §5.4 and renamed to Diablo Canyon Power Plant (DCPP) Emergency Preparedness Text reviewed by identified SMES.
2	2	Update	Company Overview; consolidated numbers from various areas to this section
2.2.3	2.4	Enhancement	Added examples of Non-Core customers; Deleted reference to gas transportation services.
2.3	2.1	Consolidation	Company Organization - consolidated content in Territory section
2.3.1 2.3.2.1 2.3.2.2 A.2	8.2 8.2.2, 8.2.3, 8.2.5, 8.2.6	Enhancement Consolidation	Control Centers information pulled from 2016 §2.3.1 (Fairfield, Rancho Cordova), §2.3.2.1 (Electric) and §2.3.2.2 (Gas); Electric Transmission / Vacaville Grid Control Center added to facilities list; in 2016 was referenced in Company Organization - §2.3.1 Facilities (bulleted list), §2.3.2.1 Electric (described), §A.2 PG&E Acronyms
3	3	Enhancement	Added Emergency to section title
3.2.1	3.2.2	Consolidation	2016 Catastrophic Incident Planning Assumptions incorporated into this section; title changed from Planning Assumptions for Catastrophic Emergencies
5	6	Enhancement	Content enhanced; title changed from Emergency Organization and Responsibilities to PG&E Emergency Management Organization
5.1	6.1	Consolidation	CIMC updated; Operating Executives eliminated; members merged into CIMC to match 2017 corporate structure
5.2.1	6.1	Consolidation	Operating Executives section deleted; membership streamlined into CIMC and updated to reflect 2017 organizational structure

2016 Section	2017 Section	Change Type	Change Detail
5.2, 5.2.3.3.1, 5.3.6	7.1.3	Enhancement	Electric Transmission Emergency Center (ETEC) enhanced from 2016 CERP
5.2.3.1	4.4.1, 4.4.2, 4.5.3	Update	Single Command and Unified Command were moved from a roles section to a concepts section
5.2.3.2	6.3	Enhancement	2016 Command Staff (2016 pp. 5-6 to 5-8) elevated to full section status, 2017 §6 EOC Command Staff. Positions reviewed/updated by SMEs; organizational charts updated; illustrative photos added
5.2.3.2.1	6.1	Update	Adjusted references to “Operating Executives” to read “LOB executives” and/or “leadership”
5.2.3.3–5.2.3.3.6	7	Enhancement	2016 General Staff (2016 pp. 5-8 through 5-17) elevated to full section status, 2017 §7 EOC General Staff. Positions reviewed/updated by SMEs; organizational charts updated; illustrative photos added
Figure 5.3 in 5.2.3.3.1	Figure 7.1	Update	Operations Section organization chart updated to reflect three-tier positions, including Deputy Operations Section Chief, Admin Support, Gas Operations Tech Specialist, Vegetation Management and IT Branch
5.2.3.3.6	7.2	Update	Org chart added for Intelligence and Investigations Section (I&I) and Cyber Security Unit deleted
5.2.4–5.2.6	4.1–4.6	Enhancement	Topics of "Dual Commodity Response," "Catastrophic Incident Organization Considerations," and "Area Command" were moved from a “people” section to concept section and reordered. Intelligence and Investigations section added to org charts.
5.2.5	3.2.2	Consolidation	2016 Catastrophic Incident Considerations were incorporated into §3.2.2 Catastrophic Incident Planning Assumptions
5.3	8	Upgrade	2016 5.3 Emergency Facilities elevated to be its own section, 2017 §8 Introductory information added
5.3.1–5.3.8	8.1 8.1.1–8.1.7	Enhancement	Emergency Centers order rearranged to reflect activation progression based on incident escalation. EOC added to this section
5.3.2	6	Update	Gas Emergency Center description updated
Table 5.3 in 5.3.9	6.9	Consolidation	PIO information removed from Support and Coordination Centers table; added to PIO section of EOC Command Staff
5.3.9.1, 5.3.9.3–5.3.9.8	Table 8.1	Consolidation	Consolidated Support and Coordination Center text and table to be consistent and one source of information
5.3.9.2	6.9	Consolidation	Consolidated PIO information under EOC Command staff; removed “people” from facilities section
5.4	9	Enhancement	Title changed from External Stakeholders to External Relationships; content rearranged to follow emergency response scale-up principle, e.g., local, state, national
6	10	Enhancement	Concept of Operations renumbered and reorganized to follow emergency incident progression
6.1.3	—	Deleted	ShakeCast/EDM (Electric Damage Model) deleted
6.2	1.4	Consolidation	Response priorities consolidated
6.3.1	10.1	Update	Levels of Emergency and Activation Criteria chart updated

2016 Section	2017 Section	Change Type	Change Detail
6.3.2–6.3.2.6	10.6	Enhancement	Activation authority and triggers updated and reformatted into a table for ease of viewing
6.4	3.3.1, 10.12	Enhancement	Storm Outage Prediction Program (SOPP) Model description updated
6.4–6.4.9	10.7–10.16	Update	Updated and renumbered to fit 2017 flow
7	11, 12, 13	Upgrade	Resource Management, Mutual Assistance and Demobilization Upgraded - Separated 1 chapter into 3; Added content to each
7	12	Upgrade	Mutual Assistance
7	13	Upgrade	Demobilization
8	14	Update	Coordination and Communication
9	15	Update	Emergency Financial Guidance
10	16	Update	Training and Exercises
10.1–10.1.1.3	16.1	Consolidation	Consolidated Multi-Year Training and Exercise Planning (MYTEP), Training, ICS Courses, Annual Training and Cross Training
10.1.2–10.1.2.2	16.2	Consolidation	Consolidated Exercises, Company Emergency Response Plan Exercise, and Emergency Operations Plan Exercises
10.1.2.3	16.3	Update	Post-Exercise After Action Reports / Improvement Plans updated and renamed to be After Action Reports and Improvement Plans
A.1	I.2	Update	Deleted obsolete terms, e.g. “operating executives” (a group that was streamlined into the CIMC)
A.2, A.3	I.1	Update	Combined PG&E and ICS acronym lists into one resource; added 115 acronyms not previously captured
B	C	Update	Organizational charts updated to include I&I, historian and other positions
C	D	Update	Renamed to Incident Command System (ICS), text updated, duplicate copies of the Planning P deleted; meetings elevated to separate appendix E
C	E	Upgrade	Separated from 2016 Appendix C; Rearranged to reflect meetings at start of an incident and meetings / working sessions in each operational period; Tactics Meeting added “Provides plan and status during Dual Commodity events” per T3SN request (5/18/17); Updated and reformatted to clarify “this is not a meeting” entries; Adjusted references to “Operating Executives” to read “LOB executives” and/or “leadership.”
E.3	—	Deleted	Government contacts reference deleted