

**SMAP Metrics Master List**

Broader category	Common Metric Name	Specific IOU	IOUs with similar metric	#	Metric Name	Metric Description	Risks	Units	Frequency of Reporting/ Evaluation	Is the metric a leading or lagging indicator?	Is the metric prone to vulnerabilities?	Is the data auditable?
	Transmission & Distribution (T&D) Overhead Wires Down	PG&E	PG&E, SCE, Sempra	1	T&D Wires Down	Number of instances where an electric transmission or primary distribution conductor is broken and falls from its intended position to rest on the ground or a foreign object; excludes down secondary distribution wires and "Major Event Days" (typically due to severe storm events) as defined by the IEEE.	Wildfire, Transmission Overhead Conductor, Distribution Overhead Conductor Primary	Single count of wire down event	Monthly	Lagging	No. Outages caused by wires down have high visibility, have several mechanisms for reporting, and are tracked in PG&E databases and reports. Vulnerabilities in this metric are unlikely.	Yes, this data is retained and can be audited.
	Transmission & Distribution (T&D) Overhead Wires Down	SCE	PG&E, SCE, Sempra	1	T&D Overhead Wires Down	Number of instances where an electric transmission or primary distribution conductor is broken and falls from its intended position to rest on the ground or a foreign object; excludes down secondary distribution wires and "Major Event Days" (typically due to severe storm events) as defined by the IEEE.	Overhead Conductor Wildfire Public Safety Worker Safety	Counts	Annual	Lagging	Unknown	Yes
	Transmission & Distribution (T&D) Overhead Wires Down	Sempra	PG&E, SCE, Sempra	8	T&D Overhead Wires Down	Number of instances where an electric transmission or primary distribution conductor is broken and falls from its intended position to rest on the ground or a foreign object; excludes down secondary distribution wires and "Major Event Days" (typically due to severe storm events) as defined by the IEEE.	Wildfire	The source of the data comes from the Primary Outage report that comes from operations daily.	SDGE has been keeping statistics on outages for better than 20 years. As such some of the outages have been reported as a case of wire down. Over the past few years SDG&E has used this data to delve more into outages with wire down and has begun to examine the data for trends in equipment problems. In addition, for the past two years SDG&E has created a weekly summary of each wire down which is consumed by many operational and engineering	Leading	Yes	Yes

	911 Emergency Response - Electric	PG&E	PG&E, SCE	2	911 Emergency Response	The percent of time PG&E personnel respond (are on-site) within one hour after receiving a 911 (electric related) call, with on-site defined as arriving at the premises where the 911 agency personnel are standing by.	Wildfire	Percentage of time response is within 60 mins	Monthly	Lagging	No. Metric is testable. Reported percentages can be validated with reports from PG&E's outage management systems and logs.	Yes, this data is retained and can be audited.
	911 Emergency Response - Electric	SCE	PG&E, SCE	2	911 Response	The percent of time SCE personnel respond (are on-site) within one hour after receiving a 911 (electric related) call, with on-site defined as arriving at the premises where the 911 agency personnel are standing by.	Overhead Conductor Wildfire Public Safety Worker Safety	Percentage	Annual	Lagging	Possibility of data inconsistency	Yes
	Fire Ignitions	PG&E	PG&E, SCE, Sempra	16	Fire Ignitions	The number of powerline-involved fire incidents annually reportable to the CPUC per Decision 14-02-015. A reportable fire incident includes all of the following: 1) Ignition is associated with PG&E powerlines and 2) something other than PG&E facilities burned and 3) the resulting fire traveled more than one meter from the ignition point. This metric has been re-labeled to reflect the formal metric name in PG&E's system; it was labeled as "Fires Requiring Engine Response" in PG&E's 2017 GRC Settlement .	Wildfire	Single ignition that traveled more than a meter	Monthly	Lagging	Yes, reporting mechanism is largely based on a single source - the observations of field workers. Incidents may be missed if workers are not at the site of an incident to observe them. This may happen if there is no outage related to the fire, the outage occurs in a different location in the system, or if an unobserved fire incident is not reported by a third	Yes. Records support the decisions made regarding CPUC reporting. Data sets can be run and compared to verify reported incidents.
	Fire ignitions	SCE	PG&E, SCE, Sempra	9	Fire Ignitions	The number of powerline-involved fire incidents annually reportable to the CPUC per Decision 14-02-015. A reportable fire incident includes all of the following: 1) Ignition is associated with SCE powerlines and 2) something other than SCE facilities burned and 3) the resulting fire traveled more than one meter from the ignition point.	Overhead Conductor Wildfire Public Safety Worker Safety Catastrophic Event Preparedness	Counts	Annual	Lagging	Unknown	Limited to submitted reports

	Fire ignitions	Sempra	PG&E, SCE, Sempra	7	Fire Ignitions	The number of powerline-involved fire incidents annually reportable to the CPUC per Decision 14-02-015. A reportable fire incident includes all of the following: 1) Ignition is associated with PG&E powerlines and 2) something other than PG&E facilities burned and 3) the resulting fire traveled more than one meter from the ignition point.	Wildfire	The report notes each incident that emanates from SDG&E electric facilities.	This is an annual report, filed on April 1 of the following year in which the data is collected.	Lagging	Yes	Yes
Worker Injury	Contractor OSHA Recordables Rate	PG&E	PG&E, SCE, Sempra	15	Contractor OSHA Recordable Rate	An OSHA recordable incident is an occupational (job-related) injury or illness that requires medical treatment beyond first aid, or results in work restrictions, death or loss of consciousness. OSHA recordable rate is calculated as OSHA recordable times 200,000 divided by contractor hours worked.	Contractor Safety	OSHA recordable times 200,000 divided by contractor hours worked	Monthly	Lagging	None at this moment. Still in process of defining metric.	Yes, this data is retained and can be audited.
Worker Injury	Contractor OSHA Recordables Rate	SCE	PG&E, SCE, Sempra	8	Contractor OSHA Recordables Rate	An OSHA recordable incident is an occupational (job-related) injury or illness that requires medical treatment beyond first aid, or results in work restrictions, death or loss of consciousness. OSHA recordable rate is calculated as OSHA recordables times 200,000 divided by contractor hours worked.	Worker Safety	Rate		Lagging	Possibility of data inconsistency	Possible
Worker Injury	Contractor OSHA Recordables Rate	Sempra	PG&E, SCE, Sempra	1	Incident rate	Contractor Total Recordable Incident Rate is calculated based on the number of Contractor OSHA-recordable injuries and hours worked as reported to SDG&E/SoCalGas	Contractor Safety	Rate: based on the number of contractor OSHA-recordable incidents per 100 full-time workers.	Typical reporting is monthly, quarterly and annually	Lagging	No	Yes
Worker Injury	Employee Serious Injuries and Fatalities	PG&E	PG&E, SCE, Sempra	17	Employee Serious Injuries and Fatalities	A work-related injury or illness that results in a fatality, inpatient hospitalization for more than 24 hours (other than for observation purposes), a loss of any member of the body, or any serious degree of permanent disfigurement. This metric has been relabeled to reflect the formal metric name in PG&E's system; it was labeled as "Employee Fatalities and Life Altering Injuries" in PG&E's 2017 GRC Settlement.	Employee Safety	Total Count of SIFs	Annually	Lagging	No.	Yes, this SIF metric is a publicly defined and standard metric and can be audited
Worker Injury	Employee Serious Injuries and Fatalities	SCE	PG&E, SCE, Sempra	10	Serious Injury or Fatality (SIF)	Number of Serious Injuries and Fatalities (Cal-OSHA)	Worker Safety Qualified Workforce	Counts	Monthly	Lagging	Yes	Compare w/Cal-OSHA



	(2) circuit miles of distribution electric conductor upgraded/replaced	PG&E	PG&E, SCE, Sempra	19.2	(2) circuit miles of distribution electric conductor upgraded/replaced	The conductor replacement program targets deteriorated conductors that have failed or been damaged in the past including from third party activities or harsh environmental exposure such as in coastal areas. Typical replacements include conductors with excessive splices, overhead wire exhibiting unacceptable deterioration or oxidation, and conductors annealed during previous outage events. The replacement program consists of executing a set of key projects which have been previously prioritized based on various risk assessment parameters.	Wildfire, Distribution Overhead Conductor Primary	Count of distribution circuit miles upgraded or replaced	Monthly	Leading	No. The project portfolio of work related to miles of distribution conductor replaced and/or upgraded is tracked using an electronic database. Reported numbers can be validated with reports from the database.	Yes, this data is retained and can be audited.
	(3) number of trees trimmed/removed as part of the vegetation management program	PG&E	PG&E, SCE, Sempra	19.3	(3) number of trees trimmed/removed as part of the vegetation management program	The PS&R Targeted Vegetation Management Work metric tracks the number of trees trimmed and/or removed as part of the Distribution Vegetation Management PS&R program.	Wildfire, Distribution Overhead Conductor Primary	Single tree trimmed or removed	Monthly	Leading	No. The tree work results are tracked and are visible in our electronic vegetation management project management database and quality control and assurance audits take place that confirm work completion.	Yes, this data is retained and can be audited.
		PG&E	PG&E, SCE, Sempra	24	DART Rate	DART Rate: Days Away, Restricted and Transfer (DART) Cases include OSHA-recordable Lost Work Day Cases and injuries that involve job transfer or restricted work activity. DART Rate is calculated as DART Cases times 200,000 divided by employee hours worked.	Employee Safety	DART Cases times 200,000 divided by employee hours worked	Monthly	Lagging	Yes, but existing controls are in place to verify and rectify.	Yes, this data is retained and can be audited.
Worker Injury	Employee Days Away, Restricted and Transfer (DART)	PG&E	PG&E, SCE, Sempra									
Worker Injury	Employee Days Away, Restricted and Transfer (DART)	SCE	PG&E, SCE, Sempra	11	DART	Employee - Days Away Restricted Duty and Transfers (OSHA)	Worker Safety Qualified Workforce	Rate	Monthly	Lagging		
Worker Injury	Employee Days Away, Restricted and Transfer (DART)	Sempra	PG&E, SCE, Sempra	2	Days away	DART Rate is calculated based on number of SDG&E/SoCalGas OSHA-recordable injuries resulting in Days Away from work and/or Days on Restricted Duty or Job Transfer, and hours worked	Employee Safety	Rate: based on the number of OSHA-recordable incidents which result in days away from work, restricted duty or job transfer, per 100 full-time workers.	Typical reporting is monthly, quarterly and annually	Lagging	No	Yes
	Records and Information Management Training	PG&E	PG&E, SCE, Sempra	34	Records and Information Management Training Compliance Percentage	Number or percentage of employees completing CBT training on Records and Information Management	Records and Information Management	Counts or Percentage	TBD	Leading	No	Yes

Add to SCE and Sempra

	Records and Information Management Training	SCE	PG&E, SCE, Sempra,	5	Records and Information Management CBT training	Number or percentage of employees completing CBT training on Records and Information Management	Records and Information Management Insider Threat	Counts or Percentage	Annual	Leading	No	Yes
	Records and Information Management Training	Sempra	PG&E, SCE, Sempra	6	Training	Percent of profiled personnel that completed CORP-9041WBT/ or percent trained in general.	Records and Information Management	Count	In 2015 and 2016, Records Management training was provided to all SDG&E & SoCalGas employees bi-annually. Thereafter, RM training provided as needed by request of employee(s) and/or departments.	Leading	No	Yes
	Transformers at Seismic Guidelines	Sempra	PG&E, SCE, Sempra	10	Transformers at Seismic Guidelines	Tracks the % 230kV and 500kV transformers in service which are designed based on the latest IEEE seismic guidelines. Transformers built to this guideline provide a significantly higher resiliency to seismic shaking.	Electric Infrastructure Integrity	Percentage	Annually or as needed when new transformers are added or replaced	Leading	No	Yes
Worker Injury	Contractor Serious Injuries and Fatalities	PG&E	PG&E, SCE, Sempra	30	# of Contractor Serious Injuries & Fatalities	A work-related injury or illness that results in a	Contractor Safety	Number of work-related injuries or illnesses	Monthly	Lagging	No.	Yes, this data is
Worker Injury	Contractor Serious Injuries and Fatalities	SCE	PG&E, SCE, Sempra	12	Number of SIFs to Contractors	Contractor SIFs (Cal-OSHA defined)	Worker Safety Qualified Workforce	Counts		Lagging		
Worker Injury	Contractor Lost Work Day Case Rate	PG&E	PG&E, SCE, Sempra	13	Contractor Lost Workday Rate	This measures the number of Lost Workday (LWD) cases incurred for contractors per 200,000 hours worked, or for approximately every 100 contractors. A Lost Workday Case is a current year OSHA Recordable incident that has resulted in at least one lost workday. An OSHA Recordable incident is an occupational (job related) injury or illness that requires medical treatment beyond first aid, or results in work restrictions, death or loss of consciousness. The formula is: LWD Case Rate = # of LWD Cases / productive hours worked x 200,000.	Contractor Safety	number of Lost Workday (LWD) cases incurred for contractors per 200,000 hours worked	Monthly	Lagging	None at this moment. Still in process of defining metric.	Yes, this data is retained and can be audited.

	Gas Dig-in	PG&E	PG&E, Sempra	3	Dig-In Reductions	The number of 3rd party gas dig-ins per 1,000 Underground Service Alert (USA) tags/tickets for gas. (excludes fiber and electric tickets) The component tracks 3rd-party gas dig-ins to PG&E subsurface installations. A gas dig-in refers to any damage (impact or exposure) that results in a repair or replacement of underground gas facility as a result of an excavation. A third party dig-in is damage caused by someone other than PG&E or a PG&E contractor.	Transmission Pipeline Failure - Rupture with Ignition  Distribution Pipeline Rupture with Ignition (non-Cross Bore)	The number of 3rd party gas dig-ins per 1,000 USA tags/tickets	Monthly	Lagging	Yes. This metric contains both T and D dig-ins. Also the relationship between public awareness and third-party dig-ins may not be direct or linear.	Yes, this data is retained and can be audited.
	Gas Dig-in	Sempra	PG&E, Sempra	9	Damages per 1,000 tickets	Number of 3rd party damages per 1,000 USA tickets for all gas	Catastrophic Damage involving Gas Infrastructure (Dig-Ins)	damages/ticket	Annually + Quarterly	Lagging	Yes	Yes
	Gas In-Line Inspection	PG&E	PG&E, Sempra	20.1	(1) Gas In-Line Inspection	Miles Inspected	Transmission Pipeline Failure - Rupture with Ignition	Miles Inspected	Monthly	Leading	Yes. Dependent on permitting, construction readiness and bundling efforts.	Yes, this data is retained and can be audited.
	Gas In-Line Inspection	Sempra	PG&E, Sempra	16	Total miles of transmission pipe inspected by inline inspection	Total miles of transmission pipe inspected by inline inspection	Catastrophic Damage Involving High-Pressure Pipeline Failure	miles	Annually	Leading	No	Yes
	Shut In The Gas Average Time (Min) - Mains	PG&E	PG&E, Sempra	32	Shut In The Gas Average Time (Min) - Mains	The length of time (in minutes) required for PG&E to stop the flow of gas during	Distribution Pipeline Rupture with Ignition (non-Cross Bore)	Minutes required to stop the flow of gas	Monthly	Lagging	Yes. Long duration events are	Yes, this data is retained
	Shut In The Gas Average Time (Min) - Services	PG&E	PG&E, Sempra	33	Shut In The Gas Average Time (Min) - Services	This metric tracks the average response time (minutes) that a Gas Service Representative (GSR) or qualified first responder (Gas Crew, Leak Surveyor, etc.) takes to respond and stop gas flow during incidents involving services.	Distribution Pipeline Rupture with Ignition (non-Cross Bore)	Average response time in minutes	Monthly	Lagging	Yes. Long duration events are caused due to distant locations, timing of the event, difficulty of the job, qualification/ability for a GSR (Gas Service Rep) to complete the task.	Yes, this data is retained and can be audited.
	Cross bore intrusions found per 1,000 inspections	Sempra	PG&E, Sempra	19	Cross bore intrusions found per 1,000 inspections	Cross bore intrusions found per 1,000 inspections	Catastrophic Damage Involving Medium Pressure Pipeline Failure	Intrusions/Inspections	Quarterly	Leading	No	Yes
	Gas Emergency Response	PG&E	PG&E, Sempra	4	Gas Emergency Response	The average response time that a Gas Service Representative or a qualified first responder (e.g., Gas Crew, Leak Surveyor) takes to respond to the site of an immediate response gas emergency order.	Distribution Pipeline Rupture with Ignition	Average response time in minutes	Monthly	Lagging	Yes. This metric is dependent on weather; winter months experience higher call volume.	Yes, this data is retained and can be audited.
Worker Injury	Helicopter/Flight Incident (Staff proposes to broaden this definition and make it consistent with Sempra's metric)	SCE	SCE, Sempra	6	Helicopter Operations Incident Rate	Defined by Federal Aviation Regulations (FARs), reportable to FAA per 49-CFR-830	Aviation Safety Public Safety Worker Safety  Public Safety	Rate		Lagging	No	Yes

Worker Injury	Helicopter/Flight Incident	Sempra	SCE, Sempra	11	Incident Rate	Helicopter / flight Incident Rate (per 1,000 flight hours).	Aviation Incident / Helicopter Operations	Count	Monthly	Lagging	No	Yes
	Diablo Canyon Power Plant Reliability and Safety Indicator – Unit 1	PG&E	PG&E only	5	D CPP Reliability and Safety Indicator – Unit 1	Composite of 11 nuclear industry performance indicators: Unit Capability Factor, Online Reliability Loss Factor, Operational Loss Events, Unplanned Manual & Automatic Scrams, High Pressure Safety Injection System Performance, Auxiliary Feedwater System Performance, Emergency AC Power System Performance, Sustained Fuel Reliability, Chemistry Effectiveness Indicator, Collective Radiation Exposure, and Total Industrial Safety Accident Rate. CALCULATION PERIOD: ROLLING 18 MONTHS.	Core Damaging Event	Composite number of 11 nuclear industry performance indicators	Monthly	Lagging	Yes, slight updates could occur after the metric is reported.	Yes, this data is retained and can be audited.
	Diablo Canyon Power Plant Reliability and Safety Indicator – Unit 2	PG&E	PG&E only	6	D CPP Reliability and Safety Indicator – Unit 2	Composite of 11 nuclear industry performance indicators: Unit Capability Factor, Online Reliability Loss Factor, Operational Loss Events, Unplanned Manual & Automatic Scrams, High Pressure Safety Injection System Performance, Auxiliary Feedwater System Performance, Emergency AC Power System Performance, Sustained Fuel Reliability, Chemistry Effectiveness Indicator, Collective Radiation Exposure, and Total Industrial Safety Accident Rate. CALCULATION PERIOD: ROLLING 18 MONTHS.	Core Damaging Event	Composite number of 11 nuclear industry performance indicators	Monthly	Lagging	Yes, slight updates could occur after the metric is reported.	Yes, this data is retained and can be audited.
	Hydro Public Safety Actions Index	PG&E	PG&E only	7	Hydro Public Safety Actions Index	This is a composite measure of milestones achieved on hydro public safety initiatives, including: Dam and Conveyance Safety Actions* Fencing/ Barriers around publically accessible hydro assets Education and Public Outreach Emergency Preparedness and Safety Exercises Employee Training* Lessons-Learned Communication* * New in 2017 - This metric is being improved in 2017 to incorporate information on health of high risk hydro assets, safety training and information sharing, along with the index components previously reported. Name change from Hydro Public Safety Awareness Index to Hydro Public Safety Actions	Hydro System Safety - Dams	Percentage of milestones achieved on hydro public safety initiatives	Quarterly	Lagging	Yes, but existing controls are in place to verify and rectify.	Yes, this data is retained and can be audited.





	Serious Preventable Motor Vehicle Incident Rate			12	SPMVI Rate	This measures the total number of confirmed serious preventable motor vehicle incidents (SPMVI) for which the driver could have reasonably avoided, per 1 million miles driven. A serious MVI is one where one or more of the following conditions occur: injuries that require immediate treatment away from the scene of the incident, a vehicle is towed, or vehicle damage exceeds \$5,000. A "Preventable" incident is one where the PG&E driver could have, but failed to take reasonable steps to prevent the incident. The term "Preventable" should not be confused with "fault" or "liability". An incident can be considered "Preventable" even if it wasn't legally the PG&E driver's fault. The key is whether or not the PG&E	Motor Vehicle Safety	Rate; total number of confirmed SPMVI's per 1 million miles driven	Monthly	Lagging	Yes, but existing controls are in place to verify and rectify.	Yes, this data is retained and can be audited.
		PG&E	PG&E only									
Worker Injury	Contractor Days Away, Restricted Transfer (DART)	PG&E	PG&E	14	Contractor Days Away Rate	DART Rate: Days Away, Restricted and Transfer (DART) Cases include OSHA-recordable Lost Work Day Cases and injuries that involve job transfer or restricted work activity. DART Rate is calculated as DART Cases times 200,000 divided by contractor hours worked.	Contractor Safety	OSHA recordable times 200,000 divided by contractor hours worked	Monthly	Lagging	None at this moment. Still in process of defining metric.	Yes, this data is retained and can be audited.
	Timely Reporting of Injuries	PG&E	PG&E only	18	Timely Reporting of Injuries	The calculation for this metric is the total number of work-related injury calls to the 24/7 Nurse Report Line within one day of incident divided by total number of calls. One day is measured by subtracting date of call from the date the employee states injury occurred. Calls that were non-work related in nature or for Report Purposes Only are excluded from the metrics. Participation by employees in the Industrial Athlete Early Symptom Intervention program is considered a timely report. Percentage of Self-Care and Clinic-Visit calls reported within one day of the incident. As of January 2016, data is reported with current month year to date results. No longer is data reported one	Employee Safety	Percentage of the number of calls made to the nurse report line within 24 of initial injury	Monthly	Leading	No.	Yes, this data is retained and can be audited.
	Gas In-Line Upgrade	PG&E	PG&E only	20.2	(2) Gas In-Line Upgrade	Miles Upgraded	Transmission Pipeline Failure - Rupture with Ignition	Miles Upgraded	Monthly	Leading	Yes. Dependent on permitting, construction readiness and bundling efforts.	Yes, this data is retained and can be audited.

	Serious Injuries and Fatalities Corrective Actions Index	PG&E	PG&E only	21	SIF Corrective Actions Index	Equally weighted index comprised of two metrics: SIF: Timely Corrective Action Completion % and SIF: Quality of Corrective Actions. Failure to meet the 0.5 threshold for either calculation would result in a 0.0 payout overall.	Employee Safety	Weighted index	Monthly	Leading	No.	Yes, this data is retained and can be audited.
	(1) percentage of Serious Injuries and Fatalities corrective actions completed on time	PG&E	PG&E only	21.1	(1) percentage of SIF corrective actions completed on time	SIF Timely Corrective Action Completion % is the total number of SIF corrective actions completed on time (as measured by the due	Employee Safety	Percent of SIF corrective actions completed on time	Monthly	Leading	No.	Yes, this data is retained and can be audited.
	(2) quality of corrective actions as measured against an externally-derived framework	PG&E	PG&E only	21.2	(2) quality of corrective actions as measured against an externally-derived framework	The quality of SIF corrective actions as determined by the corrective action quality framework created by Dr. Mark Fleming. Quality is determined by assessing whether or not the corrective actions address all incident causes identified, extent of condition, hierarchy of controls, if the corrective action's effectiveness is measurable, and if the corrective actions have appropriate timelines for completion. A SIF corrective action is one that is tied to a SIF actual or potential injury or near hit. The assessment is performed by an independent third party after acceptance by Line of Business (LOB) Corrective Action Review Boards (CARB).	Employee Safety	Number	Monthly	Leading	No.	Yes, this data is retained and can be audited.
	Serious Injuries and Fatalities Effectiveness of Corrective Actions	PG&E	PG&E only	22	SIF Effectiveness of Corrective Actions	The effectiveness of corrective actions as measured by the number of repeat SIF events (using enterprise SIF decision tree) per 200,000 hours worked or approximately 100 employees over the 36 month period of the LTIP tranche. A SIF event is a SIF actual or potential injury or near hit. This metric would only include groups with SIF assessment teams created for one year or more (Electric T&D, Gas, and Generation), as well as any SIF actual events from any line of business. Hours worked is calculated using the total hours worked for each LOB.	Employee Safety	Percent of effectiveness of corrective actions. (number of repeat SIF events per 200,000)	Quarterly	Lagging	Yes, but existing controls are in place to verify and rectify.	Yes, this data is retained and can be audited.

	Employee Serious Injuries and Fatalities Exposure Rate	PG&E	PG&E only	23	SIF Exposure Rate	Number of Injuries and Near Hits identified as actual or potential SIF per 200,000 hours worked, or for approximately every 100 employees. Note: 2017 data is not comparable to 2016 data. Metric changed from percentage (%) to rate in 2017.	Employee Safety	Percentage; Number of Injuries and Near Hits per 200,000 hours worked)	Monthly	Leading	No.	Yes, this data is retained and can be audited.
	Workforce Unavailable Due to Health	PG&E	PG&E only	25	Workforce Unavailable Due to Health	Percentage of full-time employees unavailable for work either due to long-term or short-term health reasons. To account for seasonality effects, data is rolling 12-month view (data reported one month in arrears).	Fit for Duty	Percentage of employees unavailable to work	Monthly	Lagging	No.	Yes, this data is retained and can be audited.
	Hard Brake Rate	PG&E	PG&E only	26	Hard Brake Rate	The total number of hard braking events (>=8 mph per second decrease in speed) per thousand miles driven in	Motor Vehicle Safety	Total number of hard braking events per thousand miles driven in a given period	Monthly	Leading	Yes, but existing controls are in place to verify	Yes, this data is retained and can
	Driver's Check Rate	PG&E	PG&E only	27	Driver's Check Rate	This measures the total number of Driver Check complaint calls received per 1 million miles driven by vehicles included in the Driver Check program. Note: Previously, this metric was reported as monthly number of driver check complaint calls received per vehicle miles driven at a company level.	Motor Vehicle Safety	Total number of Driver Check complaint calls received per 1 million miles driven	Monthly	Leading	Potential gap in knowing how many driving activities are actually problematic and if the complaint was worthy of a call.	Yes, this data is retained and can be audited.
worker injury	12 month rolling average lost workday rate	PG&E	PG&E only	28	12 Mo. Rolling Avg. LWD Rate	The count of employee and staff augmentation worker injuries that are LWD and	Employee Safety	Percentage; The count of employee and staff augmentation worker	Monthly	Lagging	No.	Yes, this data is retained
	Percentage of Contractor Assessments that Include Non-Conformance Findings	PG&E	PG&E only	29	% of Contractor Assessments that Include Non-Conformance Findings	Overall percentage of assessments with a non-conformance identified in a quarterly basis, that requires the LOB to review and rectify to be in full compliance with their LOB Contractor	Contractor Safety	Percentage of assessments with a non-conformance	Quarterly	Leading	No.	Yes, this data is retained and can be audited.
	Natural Gas Storage Baseline Inspections Performed	PG&E	PG&E only	35	Natural Gas Storage Baseline Inspections Performed	Track the progress of completing baseline inspections that were expected to be completed within a given year	Gas storage	Number of Inspections	Monthly	Lagging	No	Yes
	Secure Behavior Index	SCE	SCE only	14	Secure Behavior Index	Aggregate of the behavior responses from employees in a security behavior survey conducted annually at the enterprise level by the Corporate Executive Board. From this metric we can gauge employee perception to risk and work to improve importance of individual risks.	- Cybersecurity	Percentage	Annual	Lagging	No	Yes
	Percentage of the system that is internal inspectionable	Sempra	Sempra only	17	Percentage of the system that is internal inspectionable	Percentage of the system that is internal inspectionable	Catastrophic Damage Involving High-Pressure Pipeline Failure	percent	Annually	Leading	No	Yes

	Wells inspected using an enhanced inspection protocol	Sempra	Sempra only	18	Wells inspected using an enhanced inspection protocol	Wells inspected using an enhanced inspection protocol	Catastrophic Event related to Storage Well Integrity	count	Quarterly	Leading	No	Yes
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