PACIFICORP
ENVIRONMENTAL LIABILITIES
CALENDAR YEAR 2019
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Site / Project	Site Operation	Property Currently Owned	City Location	State Location	Type	2019 Year-To-Date Environmental Spend	2019 Deferrals
American Barrel MGP	Decom	No	Salt Lake City	UT	MGP	65,634.55	-
Astoria / Unocal (Downtown)	Decom	Yes	Astoria	OR	MGP	184,488.04	-
Astoria Young's Bay MGP	Decom	Yes	Astoria	OR	MGP	17,432.78	-
Big Fork Hydro	Decom	Yes	Big Fork	MT	Hydro	97,681.10	-
Bors Property	Decom	No	Oregon City	OR	Substation	1,982.54	-
Bridger Coal Fuel Oil Spill	Active	Yes	Point of Rocks	WY	Coal Mine	171,550.82	-
Bridger FGD Pond 1 Closure	Active	Yes	Rock Springs	WY	Generation Plant	149,411.01	-
Bridger Oil Spill	Active	Yes	Rock Springs	WY	Generation Plant	51,422.57	-
Bridger Plant-FGD Pond 1	Active	Yes	Rock Springs	WY	Generation Plant	130,689.03	-
Bridger Plant-FGD Pond 2	Active	Yes	Rock Springs	WY	Generation Plant	25,233.00	-
Carbon Ash Spill	Decom	Yes/No	Helper	UT	Generation Plant	395,764.10	-
Cedar Steam Plant	Decom	Yes	Cedar City	UT	Generation Plant	1,965.56	-
Cholla Ash-Flyash Pond	Active	No	Joseph City	AZ	Steam Plant	1,020.00	-
Colstrip	Active	No	Colstrip	MT	Steam Plant	512,131.69	-
Dave Johnston Oil Spill	Active	Yes	Glenrock	WY	Generation Plant	55,226.30	-
Dave Johnston-Pond 4A&4B	Active	Yes	Glenrock	WY	Generation Plant	196,740.00	-
Eugene MGP	Decom	No	Eugene	OR	MGP	253,884.13	-
Everett MGP	Decom	No	Everett	OR	MGP	2,429.46	-
Hunter Plant-Ash Landfill	Active	Yes	Huntington	UT	Generation Plant	87,473.23	-
Huntington Ground Water Action	Active	Yes	Huntington	UT	Generation Plant	167,988.53	-
Idaho Falls Pole Yard	Decom	Yes	Idaho Falls	ID	Transmission Pole Yard	405,831.64	-
Jordan Plant (Substation)	Active	Yes	Jordan	UT	Substation	35,015.79	-
Naughton FGD Pond Closure	Active	Yes	Kemmerer	WY	Generation Plant	39,512.80	-
Naughton Oil Spill	Active	Yes	Kemmerer	WY	Generation Plant	2,840.00	-
Naughton Plant-FGD Pond 1	Active	Yes	Kemmerer	WY	Generation Plant	225,958.54	-
Naughton Plant-FGD Pond 2	Active	Yes	Kemmerer	WY	Generation Plant	248,583.64	-
Naughton South Ash Pond	Active	Yes	Kemmerer	WY	Generation Plant	35,854.40	-
Ogden Gas	Decom	No	Ogden	UT	Gas Plant	683,097.45	-
Olympia MGP	Decom	No	Olympia	WA	MGP	4,107.20	-
Portland Harbor Source Control	Active	Yes	Portland	OR	Transmission/Distribution	931,303.12	-
Silver Bell / Telluride	Decom	Yes	Telluride	CO	Hydro/Mining	472,492.14	-
Tacoma A Street MGP	Decom	No	Tacoma	WA	MGP	10,304.58	-
Wyodak Fuel Oil	Active	Yes	Gillette	WY	Generation Plant	18,331.01	-
						5,683,380.75	-
Spill Prevention Control Countermeasure - Pacific Power				WA, OR, CA	SPCC	868,214.58	-
Spill Prevention Control Countermeasure - Rocky Mountain Power				UT, ID, WY	SPCC	624,821.15	-
						7,176,416.48	**-**

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American Barrel MGP	Decom	No	Salt Lake City	UT	MGP	The American Barrel property was the site of a manufactured gas plant between approximately 1887 and 1908 and was operated by several different companies during this period. From approximately 1911 through 1950 the site was used to store poles and to perform some pole treating. From the late 1950s through 1986 the site was leased to American Barrel to store drums awaiting refurbishing. The property has been owned by PacifiCorp or a predecessor company since 1887. The property was sold to Salt Lake City in April 2007 to allow for the construction of rail lines across the property. The remedial action was performed in 1995 and 1996 and consisted of excavating approximately 22,000 tons of contaminated soil. Following the excavation activities, an SVE system with groundwater depression was installed to treat residual contamination. The site is currently in monitored natural attenuation. In addition, a Brownfield development is occurring on the west side of the site.
Astoria / Unocal (Downtown)	Decom	Yes	Astoria	OR	MGP	PacifiCorp's predecessors, including Pacific Power & Light Company, owned and operated a manufactured gas plant on portions of the former Astoria Terminal Property in Astoria, Oregon, from circa 1888 to 1921, at which time the manufactured gas plant was decommissioned and the portion of the site then owned by Pacific Power & Light was sold to Unocal. Unocal operated a petroleum oil terminal on portions of this site to 1977, at which time the oil terminal was decommissioned. Non-aqeous phase liquids have been detected in the soil, groundwater, and sediment at concentration in excess of state regulatory levels. PacifiCorp and Unocal have entered into a Voluntary Cleanup agreement with the Oregon Department of Environmental Quality to investigate and remediate the site.
Astoria Young's Bay MGP	Decom	Yes	Astoria	OR	MGP	The former Astoria Young's Bay MGP and fuel-oil-powered steam electrical plant were constructed by Pacific Power & Light Company in 1921. The MGP was operated from 1921 to 1949, but was sold to and operated by an unrelated company from 1927 to 1949. Pacific Power & Light Company re-acquired and decommissioned the MGP in 1950, and from 1951 to 1986, operated a Service Center on the site. In 1986, the structure was demolished. The steam plant was operated by PP&L from 1922 to 1954. The steam plant remained on standby until 1968. It was demolished in 2000. The 8 acre site, consisting of uplands and tide flat, is located in northwest Clatsop County in Township 8 North, Range 10 West, Section 18. The site is currently owned by PacifiCorp.
Big Fork Hydro	Decom	Yes	Big Fork	MT	Hydro	Big Fork Hydro is a hydro facility located in Big Fork Montana. Investigation and remediation activities have been ongoing at an old substation located adjacent to the Swan River since 2000. The work was done under EPA oversite. The EPA issued a no further action letter associated with the remediation. The State of Montana requested that EPA conduct a field investigation to determine if PCBs from the facility impacted the adjacent river, ground water, or adjacent land. In 2013, PacifiCorp entered into a Voluntary Agreement with the Montana Department of Environmental Quality to formally close the site under a site specific risk based process. The Montana Department of Environmental Quality identified some data gaps in the site characterization and is requiring PacifiCorp to perform additional site characterization and remediation in order to meet acceptable risk based standards. Two outside environmental groups are following the site investigation and commenting on plans submitted to the state resulting in extended timing for approvals. PacifiCorp submitted a revised work plan for the performance of additional site characterization and remediation to the Montana Department of Environmental Quality in May 2015. The investigation/remediation plan is currently being negotiated with the state.
Bors Property	Decom	No	Oregon City	OR	Substation	On November 22, 2016, PacifiCorp received notice that the Oregon Department of Environmental Quality planned to reopen a project that had been issued a No Further Action determination in July 2001. PacifiCorp is one of several potentially responsible parties that participated in the remediation of polychlorinated biphenyl (PCB) soil contamination at the site between 1997 and 2001. The site was reopened at the request of the current property owner because it was cleaned up to the existing standard of 1.2 parts per million for polychlorinated biphenyls back in 2001; the current cleanup standard for polychlorinated biphenyls is .230 parts per million. PacifiCorp's share of liability in 2001 was 4%.
Bridger Coal Fuel Oil Spill	Active	Yes	Point of Rocks	WY	Coal Mine	The Bridger Mine lost approximately 1.5 to 2 million gallons of diesel oil into the subsurface. A recovery system was built and installed to recovery the free product.
Bridger FGD Pond 1 Closure	Active	Yes	Rock Springs	WY	Generation Plant	Jim Bridger Power Plant is located nine miles north of Point of Rocks, Wyoming. The plant has been in operation since 1974 producing electricity through coal-fired generation from four boilers. The plant uses sulfur dioxide scrubbers to remove contaminants from plant stack emissions. The scrubbers were installed at the plant in 1979 and spent FGD solutions from the scrubbers are discharged into two ponds located adjacent to the Evaporation Pond, north of the plant. FGD Pond 1 was constructed in 1979 and operated through 2002, when it reached capacity. This pond is lined with a compacted native material (clay) to minimize the seepage of FGD solutions through its bottom. FGD Pond 2 was expanded in 2003 to handle the scrubber waste for the next 30 years.
Bridger Plant-FGD Pond 1	Active	Yes	Rock Springs	WY	Steam Plant	EPA CCR regulatations require groundwater sampling at each CCR unit. If groundwater impacts are found, corrective action is required. The required initial groundwater sampling was completed in 2018 and impacts were found and corrective action was initiated.
Bridger Plant-FGD Pond 2	Active	Yes	Rock Springs	WY	Steam Plant	EPA CCR regulatations require groundwater sampling at each CCR unit. If groundwater impacts are found, corrective action is required. The required initial groundwater sampling was completed in 2018 and impacts were found and corrective action was initiated.
Bridger Oil Spill	Active	Yes	Rock Springs	WY	Generation Plant	The PacifiCorp Jim Bridger Power Plant is located nine miles north of Point of Rocks, Wyoming. The plant has been in operation since 1974 producing electricity through coal-fired generation from four units. The boilers for each unit also use fuel oil as a supplemental fuel.
Carbon Ash Spill	Decom	Yes/No	Helper	UT	Generation Plant	On August 4, 2016, a significant precipitation event occurred at PacifiCorp's Carbon coal ash landfill located near Helper, Utah, in Panther Canyon. The storm event caused localized flash flooding in the canyon, overwhelmed the storm water controls in place at the site, and resulted in sediment and an estimated 2,370 cubic yards of coal ash entering the Price River below the landfill. During the event a large fraction of the storm water and suspended coal ash were diverted from the Price River into the Price Wellington Canal Company and the Carbon Canal Company settling ponds. PacifiCorp worked with the two Canal Companies to remove the ash and sediment from the settling ponds that was released during the storm event. All of the material from the ponds was removed and all the required work under the Stipulated Compliance Order has been completed and the order closed. The site management continues under a Site Management Plan to address the long term monitoring of the landfill to demonstrate no furhter releases will occur.
Cedar Steam Plant	Decom	Yes	Cedar City	UT	Generation Plant	The plant has been dismantled and all equipment has been removed from the property. An ash pile remained on the north side of Highway 14. The Cedar Steam Plant Project consisted of re-contouring the remaining ash to closely resemble the surround properties. A layer of top sol cover was placed over the entire reclamation site and native vegetation was planted on the site in 2011.

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Colstrip Pond	Active	No	Colstrip	MT	Steam Plant	EPA CCR regulatations require groundwater sampling at each CCR unit. If groundwater impacts are found, corrective action is required. The required initial groundwater sampling was completed in 2018 and impacts were found and corrective action was initiated.
Cholla Ash-Flyash Pond	Active	No	Joseph City	AZ	Steam Plant	EPA CCR regulatations require groundwater sampling at each CCR unit. If groundwater impacts are found, corrective action is required. The required initial groundwater sampling was completed in 2018 and impacts were found and corrective action was initiated.
Dave Johnston Oil Spill	Active	Yes	Glenrock	WY	Generation Plant	In August 2010, the plant spilled approximately 2000 gallons of oil into the containment surrounding the ignition storage tank. During the clean up of the oil, it was discovered that the clay liner was saturated with oil. 20 boreholes were placed around the containment area to determine the extent of contamination. The visual oil contamination in the subsurface extends approximately 225 feet downgradient and is approximately 150 feet wide at the widest point. In April 2012, an additional 30,000 gallons of oil was released from a leak in a fuel line in the same area resulting in free product on the ground water.
Dave Johnston-Pond 4A&4B	Active	Yes	Glenrock	WY	Generation Plant	EPA CCR regulatations require groundwater sampling at each CCR unit. If groundwater impacts are found, corrective action is required. The required initial groundwater sampling was completed in 2018 and impacts were found and corrective action was initiated.
Eugene MGP (50%)	Decom	No	Eugene	OR	MGP	A manufactured gas plant (MGP) was formerly operated on the approximately 1.5-acre Site now owned by Eugene Water and Electric Board (EWEB). Most of the former MGP operational area is located on property now owned by EWEB, however, some MGP operations also occurred to the east and south on properties owned by University of Oregon and the City of Eugene, respectively. The MGP was constructed in 1906 as a coal carbonization process facility and operated in that mode from 1907 until approximately 1910, when it was converted to a carbureted water-gas plant. The plant was expanded and converted to the water-gas operation in 1910–11. The plant was used to manufacture gas until approximately 1950, when it was converted to a propane-air gas operation. Later the plant was converted to the storage and distribution of propane. By approximately 1972, all remaining aboveground structures (except the main brick building) had been removed from the Site. EWEB purchased the Site in 1976. Investigations of soil, groundwater, and surface water began around 1995, following the discovery of contaminants during sampling by University of Oregon on its property and the review of other historical documentation. The nature and extent of soil and groundwater impact has been documented in Remedial Investigation, Risk Assessment, Ecological Risk Assessment and Feasibility Study (RI/FS) reports completed for the site under Oregon Department of Environmental Quality (DEQ) intergovernmental agreement WMCVC-WR-98-13, dated November 25, 1998. The investigation and remedial activities at the site are managed by EWEB but responsibilities and costs are shared between EWEB, Cascade Natural Gas, and PacifiCorp.
Everett MGP (2/3)	Decom	No	Everett	WA	MGP	The former Everett Manufactured Gas Plant (MGP) operated from approximately 1904 until approximately 1941. The plant was operated by the Everett Gas Company until approximately 1910, and by Puget Sound Gas Company until approximately 1927. The site was then transferred to Mountain States Power, a Pacific Power and Light Company predecessor. In approximately 1927, the site was sold to Washington Gas and Electric Company, which owned and operated the site until approximately 1941. In 1941, the plant was decommissioned and replaced with a butane air facility. It continued to operate in this way until 1956 when it was placed on standby. The site is currently utilized for service operations by Puget Sound Energy. Residual contamination from MGP operations have been detected in the soil and groundwater at the site.
Hunter Plant-Ash Landfill	Active	Yes	Huntington	UT	Generation Plant	EPA CCR regulatations require groundwater sampling at each CCR unit. If groundwater impacts are found, corrective action is required. The required initial groundwater sampling was completed in 2018 and impacts were found and corrective action was initiated.
Huntington Ground Water Action	Active	Yes	Huntington	UT	Generation Plant	Ongoing groundwater corrective actions under UTAH DEQ have been in place since 2008. In addition, EPA regulatations created requirements for the treatment and disposal of Coal Combustion Residuals CCRs in 2015.
Idaho Falls Pole Yard	Decom	Yes	Idaho Falls	ID	Transmission Pole Yard	The Idaho Falls Pole Yard was a pole treating facility which operated from early 1930's until 1983 when a creosote leak was found in underground piping leading to the treatment vat. Site characterization determined that creosote had entered the groundwater. An active pump and treat system operated from the late 1980's through October 2019 when groundwater levels were deemed acceptable.
Jordan Plant (Substation)	Active	Yes	Jordan	UT	Substation	PacifiCorp owned and operated an electric generating plant at the site from 1911 to about 1976. The plant was demolished in the mid 1980s. During the construction of a substation on the property in the late mid 1990s, DNAPL was found in one of the excavations for a utility pole. The site has been characterized. DNAPL extends over an area approximately 30 feet wide and 70 feet long. Part of the DNAPL is under the Jordan River. The Utah DEQ determined that all active remedial efforts were infeasible. The site continues under a Site Management Plan which requires quarterly inspections and periodic groundwater sampling.
Naughton FGD Pond Closure	Active	Yes	Kemmerer	WY	Generation Plant	The purpose of this project is to close FGD Pond #1 at the Naughton Plant when it is no longer needed. The pond was originally slated for closure in 2002 but the plant decided not to close the pond but increased its capacity instead and continues to operate it. It is project will also be used to install and maintain a pump back system to remediate a leak in the #2 FGD Pond. The construction work for the pump back system was completed in November 2006. The system will also require ongoing monitoring and maintenance.
Naughton Oil Spill	Active	Yes	Kemmerer	WY	Generation Plant	In the fall of 2016 during a geotechnical study, petroleum contaminated soil was discovered in one of the boreholes. Analysis revealed gas/diesel contamination. The release was report to Wyoming DEQ. The initial phase is to characterize the extent of the contamination.
Naughton Plant-FGD Pond 1	Active	Yes	Kemmerer	WY	Generation Plant	EPA CCR regulatations require groundwater sampling at each CCR unit. If groundwater impacts are found, corrective action is required. The required initial groundwater sampling was completed in 2018 and impacts were found and corrective action was initiated.
Naughton Plant-FGD Pond 2	Active	Yes	Kemmerer	WY	Generation Plant	EPA CCR regulatations require groundwater sampling at each CCR unit. If groundwater impacts are found, corrective action is required. The required initial groundwater sampling was completed in 2018 and impacts were found and corrective action was initiated.
Naughton South Ash Pond	Active	Yes	Kemmerer	WY	Generation Plant	EPA CCR regulatations require groundwater sampling at each CCR unit. If groundwater impacts are found, corrective action is required. The required initial groundwater sampling was completed in 2018 and impacts were found and corrective action was initiated.
Ogden Gas	Decom	No	Ogden	UT	Generation Plant	The former Ogden manufactured gas plant operated from 1892 to 1930. It was owned and operated by Utah Power & Light Company predecessor companies from 1892 to 1928. After 1928, the Ogden MGP was owned and operated by Utah Gas & Coke a predecessor to Mountain Fuel Supply. The current owner is Ogden Auto Body - an auto repair facility.

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Olympia MGP	Decom	No	Olympia	WA	MGP	The former Ogden manufactured gas plant operated from 1892 to 1930. It was owned and operated by Utah Power & Light Company predecessor companies from 1892 to 1928. After 1928, the Ogden MGP was owned and operated by Utah Gas & Coke a predecessor to Mountain Fuel Supply. The current owner is Ogden Auto Body - an auto repair facility. The site is being characteried and remediated under the Utah Voluntary Cleanup Program. All impacted soil that could feasibly be excavated from the site has been removed. Residual soil and groundwater impacts remain.
Portland Harbor Source Control	Active	Yes	Portland	OR	Transmission/Distribution	PacifiCorp has been identifed as a potentially responsible party at the Portland Harbor Superfund Site related to sediment impacts adjacent to the east bank of the Willamette River between river miles 10.9 and 11.6. The area is located just south of the Fremont Bridge along North River Street. PacifiCorp owns and formerly owned some parcels of property located within this area including the Albina Substation and the Knott Substation. PacifiCorp entered into a Voluntary Agreement with the Oregon Department of Environmental Quality on January 14, 2009 to evaluate its upland properties and conduct source control. PacifiCorp, along with 5 other parties, also entered into an Adminstrative Settlement Agreement and Order on Consent with the Environmental Protection Agency to prepare a remedial design to address sediment containing elevated levels of polychorinated biphenyls.
Silver Bell / Telluride	Decom	Yes	Telluride	CO	Hydro/Mining	In the mid 1990's the tailing impoundment began to deteriorate. In order to limit liability, PacifiCorp decided to take action to stabilize the tailings. EPA and the State of Colorado were approached about the site and it was decided to do the work under the Colorado's Voluntary Cleanup Program. In the Summer of 1999, the tailings were consolidated into one area on the property. In the summer of 2000, the tailings were capped with a soil and rock cover and vegetation was planted. Maintenance and monitoring continues at the site.
Tacoma A Street MGP (25%)	Decom	No	Tacoma	WA	MGP	The Tacoma former manufactured gas plant (MGP) site was contaminated historically by several sources, including a former coal gasification plant and a former three-tank storage facility, an orphan chemical plant, and storm drains. PRPs at the site include PacifiCorp, Puget Sound Energy, Washington Department of Transportation and the City of Tacoma. There is an Agreed Order in place with the Washington State Department of Ecology.
Wyodak Fuel Oil	Active	Yes	Gillette	WY	Generation Plant	The plant had two separate leaks from the fuel oil lines. One impacted just soil and the other resulted in free product in the subsurface. The contaminated soil has been closed. The free product was bailed from a series of wells by plant personnel. The state was notified responded in Jan 2010 and required semi-annual sampling of 15 wells until ground water clean up levels are achieved.
Spill Prevention Control Countermeasure - SPCC						This project includes the development and maintenance of Spill Prevention Control and Countermeasures (SPCC) for allsubstations as well as costs associated with any spill response requests.