



ENVIRONMENTAL REMEDIATION  
ANNUAL REPORT  
12/31/2018

# WRITE-UP FOR ENVIRONMENTAL REMEDATION SITES

The following 8 pages contain a write-up for environmental remediation sites.

## **FORMER WNG SITES**

### **A. Tacoma Gas Company Site (Upland Source Control)**

Beginning in 1884, a Manufactured Gas Plant (MGP) operated at 22<sup>nd</sup> & A Street in Tacoma and after the plant was closed in the early 1920's, the site was used to store various products including oil and creosote. Contamination at the site was identified during the late 1980s and various limited cleanup actions have been taken since then. PSE continues to work with the Washington Department of Ecology (WDOE) on developing a comprehensive Remedial Investigation/Feasibility Study (RI/FS). A new Agreed Order (AO) was negotiated with WDOE to complete the RI/FS and a draft Cleanup Action Plan (dCAP) that became effective on September 13, 2018. Signatories to the new AO are PSE, PacifiCorp, City of Tacoma and Washington State Department of Transportation. The goal of the AO is to gain approval from WDOE of the RI/FS so that a final CAP can be prepared to close out the site.

A groundwater sampling and analysis plan was submitted and approved by WDOE in July 2016. Addendums to the plan were submitted to identify and sample groundwater seeps. Groundwater samples were obtained in July and December 2016, April, August and December 2017, and April and July 2018. The purpose of the sampling is to update the conditions at the site for incorporation into the RI/FS. A draft RI was submitted to WDOE in July 2018 and is being revised based on WDOE review comments.

### **B. Thea Foss Waterway**

The Thea Foss Waterway is part of the Commencement Bay Superfund site which is an Environmental Protection Agency (EPA) regulated cleanup site. PSE was involved as Potentially Responsible Party (PRP) due to its past ownership of a portion of the 22<sup>nd</sup> & A Street MGP that was located near the Waterway, and is part of a Utilities PRP subgroup. PSE and PacifiCorp (Utilities) are responsible for cleanup and monitoring of the south 1,000 feet of the waterway (Head of Thea Foss also known as the Utilities Work Area). The City of Tacoma is responsible for the rest of the waterway. Cleanup activities have been completed and the site is in the performance monitoring portion of the process. PSE received proceeds from the Settlement with WSDOT for their contribution to cleanup of the contamination of the Thea Foss.

PSE, as part of the Utilities group, is currently complying with an EPA approved Operation and Monitoring Plan (OMMP) to monitor the effectiveness of the cleanup remedy. In the spring of 2018 (Year 14 since cleanup was accomplished) the Utilities completed required site inspections and sediment sampling near the head of the waterway. The work included a low tide visual survey, diver survey of a sheet pile wall, sediment coring and sampling/analysis of core samples. The surveys and available analytical data continued to show that the Utilities' remedy is functioning as intended and that the recontamination source (to surface sediments) remains storm water. The original OMMP covered Years 1 (2004) to 10 (2014). Based on data collected during these monitoring events, a new long-term plan was approved by EPA that generally includes visual/bathymetric surveys every 5 years, and diver surveys/sediment coring every ten years. The available information will be used by EPA to complete their required 5-year periodic review scheduled for 2019. EPA is also compiling information for the administrative record to complete delisting of the Thea Foss, although monitoring will need to be continued.

### **C. Everett, Washington**

PSE's predecessors operated an MGP at 3630 Railway Avenue east of downtown Everett and PSE currently uses the property for an operating base. Contamination was identified in the 1990s and removal actions, an RI/FS and remediation were completed. PSE implemented an interim remedy consisting of soil excavation, installation of a containment wall along with groundwater monitoring at both ends and at the centerline of the containment wall. PSE continues annual monitoring of the results of the remediation already performed. Annual groundwater sampling performed continues to show the remedy is containing contaminated groundwater. PSE continues to receive partial reimbursement from an agreement entered into with another PRP for costs relating to interim remedy.

### **D. Chehalis, Washington**

PSE's predecessor operated an MGP in Chehalis, WA. The property is still owned by PSE and currently vacant. PSE identified contamination in the 1990s, completed removal activities, an RI/FS and a final cleanup. On April 30<sup>th</sup>, 2015 PSE received from WDOE a No Further Action (NFA) letter confirming that PSE's remedy completed in October 2010 was successful. PSE continues to perform monitoring to show that the remedy is functioning as designed.

### **E. Gas Works Park Site**

Gas Works Park is the site of a former MGP (operated by PSE's predecessor), a tar refinery and other industrial activities and is currently a City of Seattle park. On November 1, 2012, the *Settlement, Release and Cost Allocation Agreement* between the City of Seattle and PSE for the remediation of the combined Gas Works Park uplands as well as the Lake Union sediments became effective. As part of this agreement, PSE took the lead for completing the investigation and remediation of the combined uplands and sediment sites. Costs associated with the RI/FS as well as construction and long-term maintenance of the remedy are shared between PSE and the City.

Work is being performed under an Agreed Order. WDOE approved modification of the Agreed Order on March 15, 2013 to expand the Site boundaries to include Gas Works Park, Seattle Harbor Patrol and the near shore sediments surrounding the Park and Harbor Patrol. This modification ensures that the impacts from uplands to the lake and near shore sediments are addressed. PSE submitted a complete agency review draft RI/FS report to WDOE in March 2016. PSE is engaging with WDOE to address their comments on the draft RI/FS report and expects to complete the public review draft RI/FS report in the second quarter of 2019.

The western boundary of the site contains an area of the offshore sediments that are impacted with contamination from Gas Works that is comingled with contamination from a number of other sources such as nearby shipyards as well as legacy bulk oil facilities. Following a number of discussions with WDOE regarding concerns with the western boundary area and the fact that MTCA considers the site wherever contamination is present, PSE has begun to develop an remedy to address that area as well.

PSE is operating an injection system to reduce arsenic concentrations in groundwater. The first injection performed in November of 2017 reduced arsenic concentrations. Performance and confirmational monitoring will determine whether additional injection is needed to meet the goals of this interim action.

## **F. Quendall Terminals**

EPA listed Quendall Terminals as a cleanup site on the National Priorities List (NPL) (i.e., a Superfund Site) on April 19, 2006 and has been leading an RI/FS effort since then. On March 6, 2014 PSE received a Notice of Potential Liability and Supplemental Request for Information from the EPA indicating that they believe PSE may be a PRP under CERCLA for costs associated with the cleanup of the site and requesting additional information pursuant to CERCLA Section 104(e). PSE reportedly sold tar from the MGP formerly located at Gas Work Park to the Quendall facility as a useful product, but did not transport the byproduct to the Quendall facility.

In a letter dated October 7, 2015, EPA invited PSE, along with the current and potential PRPs, to perform a pre-remediation design study pursuant to a negotiated Administrative Settlement Agreement and Order on Consent (ASAOC). On December 4, 2015 PSE counsel sent a letter to EPA declining to submit an offer to negotiate an ASAOC for the proposed pre-remedial design study. EPA has indicated that it is moving forward with finalizing the RI/FS and selecting a remedy without the pre-remedial design study. PSE has reviewed the draft RI/FS and provided comments to EPA in April 2016.

On May 31, 2016, Vertellus Specialties, Inc., successor in interest to Reilly Chemical Company, who operated at the site for decades, filed for bankruptcy for the purpose of facilitating a sale of all assets. The sale will be free and clear – no liabilities will follow the acquirer.

EPA conducted pilot scale testing of the Self-Sustaining Treatment for Active Remediation (STAR) technology at the site in July 2018 and intends integrate this technology into its selected upland remedy. EPA plans to issue a Record of Decision in spring 2019. Recently EPA has again contacted the remaining PRPs to propose further discussion of the site remedial process.

## **G. Tacoma Tar Pits**

Tacoma Tar Pits is a site in Tacoma where an MGP was operated. The site was named to the federal Superfund list in 1980 and investigation and cleanup was completed by 1994. PSE continues to operate and monitor the groundwater pump and treat system at the Tacoma Tar Pits site. Maintenance of site facilities and monitoring of ground water quality continues.

EPA completed its most recent Superfund mandated five year review in December 2014 and concluded that the remedy is still protective and performing as designed. As part of this review, EPA recommended follow-up actions including optimizing the groundwater containment and monitoring system, evaluating whether groundwater restoration at this site is feasible, requiring the current property owner to comply with site institutional controls (primarily maintenance/protection of the site cap) and updating the existing Inspection and Maintenance Manual and groundwater monitoring program. The next five year review is to be completed in 2019.

In 2016, in consideration of EPA's recommendations, as well as, the age of the system, PSE replaced the existing groundwater treatment system. PSE subsequently prepared cost estimate and provided notice to EPA and City of Tacoma and met with EPA. A treatment plant design Engineering Report was approved by the City of Tacoma and EPA and the new treatment system was installed in November 2017 with full operation beginning in December 2017. The initial results from the operation of the system show that groundwater conditions are improving around the perimeter of the site.

## **H. Swarr Station**

The SWARR Station is a liquefied propane storage facility designed to help meet customer needs during periods of peak demands. In 2003 a release of ethylene glycol and lubricating oil was discovered. Contaminated soil was removed in 2003; however, arsenic-contaminated groundwater remains beneath the site. Groundwater was sampled in July 2016 to evaluate whether plume conditions substantially changed since 2011. The analytical results appear generally similar to the previous data and PSE is considering what additional options are available to address the residual contamination given the structures that are in place.

## **I. Bay Station (Elliott Ave)**

PSE's predecessors owned and operated the Bay Station MGP in Seattle along the waterfront now known as Elliott Ave. In 2009, PSE was contacted by the then property owners regarding contamination in the subsurface at this location that appears to be associated with the former MGP.

On June 23, 2010 PSE purchased the property and is using the site as a material storage yard in support of PSE operations while PSE remediates the site. A preliminary site investigation was performed in August, 2010 and results of soil sampling confirmed the presence of soil contamination consistent with MGP releases. The demolition of the structures was completed in July of 2017 to provide access to fully investigate the site in anticipation of developing a remedy.

In September 2016, PSE received a letter alleging that contamination encountered on adjacent properties is associated with the historical operation of a manufactured gas plant on PSE's property. PSE worked with the owner of that property to develop agreement on an investigation and remedy. PSE has begun to implement further site investigation pursuant to that agreement with the adjacent property owner.

## **J. Olympia (Columbia Street MGP)**

PSE's predecessors operated an MGP on Columbia Street in the City of ` -Olympia. In late 2006, PSE received a letter from a firm representing the owners at that time stating that contamination found in soil and groundwater was attributable to PSE's predecessors' ownership and operation on this site. In 2008, PSE conducted an initial investigation of environmental conditions beneath the property. Subsequent on- and off-property investigations were conducted between 2009 and 2011 under WDOE's Voluntary Cleanup Program. These studies identified the presence of MGP-related contamination beneath the property and extending onto adjacent properties. The full lateral extent of off-property impacts was not identified in these studies.

PSE designed and implemented a remedial action for the property and the construction work was completed in October 2012. In September 2015, PSE received a Property-specific No Further Action letter (NFA) from WDOE. Institutional controls and ongoing groundwater monitoring are required because some inaccessible contamination remains. Contamination that extends off the property will be addressed as a separate phase of the project in the future.

The property owner recently notified PSE of plans to construct a multi-story condominium structure on the Property. PSE is working with the owner to ensure that the NFA status of the site is not impacted and to help control construction costs associated with the contamination that remains onsite.

## **K. Verbeek Autowrecking**

PSE was notified that fill from the Gas Works Park MGP site was deposited on the Verbeek Autowrecking site and contamination was present. Remediation of the Verbeek property was completed in 2010 and WDOE issued a property specific No Further Action letter. A small amount of GWP contaminated fill remains in place on an adjacent property that could not be removed due to a building constructed over the top of the fill.

## **L. Downtowner Property**

On April 7, 2014, PSE received a notice letter under the Model Toxics Control Act (MTCA) Washington State's cleanup law similar to the federal cleanup law, CERCLA or Superfund, from a law firm representing a property owner alleging contamination discovered at a property in downtown Seattle during excavation for underground parking. The property owner claimed the contamination was connected to a MGP that was operated by PSE's predecessors. PSE researched the merit of this claim and monitored the remedial excavation at the site being led by the property owner.

On April, 2015, the property owner, GRE 4<sup>th</sup> Avenue South, LLC filed suit against PSE, seeking a declaratory judgment that PSE is liable for remedial action costs under MTCA and contribution for remedial action costs the property owner has expended and will incur. PSE settled this suit in September 2015. MGP-related contamination remains at depth beneath the building. PSE is responsible for costs associated with the removal of DNAPL and groundwater sampling.

## **FORMER PUGET POWER SITES**

### **A. White River/Buckley Phase II Burn Pile and Wood Debris**

White River Hydroelectric project was formerly owned and operated by PSE. During a flume maintenance project in 1988, construction debris was stockpiled on-site. An investigation of this stockpile discovered that wood treatment chemicals that were originally used to treat the timbers had migrated from the debris into the underlying soil and groundwater. Removal of the debris and impacted soil was completed in 2006, however, arsenic concentrations in groundwater continue to exceed the MTCA cleanup level. Monitoring of the groundwater shows that the lateral extent of the groundwater plume does not appear to be expanding or approaching the White River

### **B. Lower Duwamish Waterway**

In December, 2005, PSE received a demand letter regarding the Malarkey Asphalt plant at Terminal 117 on the Duwamish waterway. Used transformer oil, containing PCBs, was burned by the operators as a boiler fuel. PSE has denied involvement at the site, and to date, no evidence linking PSE to the site has been discovered. Litigation involving other parties was resolved without PSE's involvement.

On November, 2012 PSE received a General Notice letter from EPA indicating that they believe PSE may be responsible under CERCLA for costs associated with the cleanup of the Lower Duwamish Waterway.

In August of 2014, PSE received notice from a neutral allocator inviting PSE to join an alternative dispute resolution (ADR) process to allocate liability for environmental remedial action at the site. PSE agreed on August 25, 2014 to participate in the ADR process. Since that time PSE has conducted research and submitted documents about historical operations to the neutral allocator, including an expert report and

rebuttal expert report. PSE is currently preparing a position paper that argues for a preferred allocation methodology and proposes a specific cost allocation for PSE. After an associated rebuttal process, the allocator will consider the position papers submitted by all parties to develop a preliminary allocation.

In regard to natural resource damage at the site, in February 2016, counsel for PSE received a Notice of Intent letter from the Elliott Bay Trustee Council indicating that PSE is a potentially liable party that has contributed to the release of hazardous substances that have injured natural resources. In March 2016, counsel for PSE submitted a letter to counsel for the Trustees denying liability for natural resource damages and declining to participate in the injury assessment.

### **C. Lower Baker Power Plant**

In 1965 a landslide destroyed PSE's Lower Baker Hydroelectric project powerhouse facility. A number of oil-containing devices are assumed to be buried beneath the slide. A petroleum-like sheen was discovered in water discharging from a metal pipe extending from the concrete wall of the former powerhouse that remains in place. PSE installed and continues to operate a water treatment system which eliminated the sheen. The specific source(s) and extent of contamination in the landslide area has not been identified.

### **D. Snoqualmie Hydro Generation (Power Plant)**

PSE began construction activities associated with the redevelopment of the Snoqualmie Falls Hydroelectric project in the fall of 2009. Upgrades to electrical generating facilities at both power plants required the excavation of a significant quantity of soil and rock. During this process, contaminated soil was identified (likely from historic maintenance and storage practices) and removed from the Plant 1 construction footprint between 2010 and 2013. Residual contaminated soil remains at some locations outside of the Plant 1 construction footprint, in areas where access would have been difficult. The cleanup completion report was finalized and no further actions are planned.

### **E. Bellingham South State Street (Boulevard Park MGP)**

PSE's predecessors owned and operated a MGP on Bellingham Bay. PSE sold the property to Cascade Natural Gas which dismantled the MGP and later sold the property to the City of Bellingham who developed the site as part of Boulevard Park. PSE was notified by the City of Bellingham of potential liability for contamination at the site. PSE entered into a cost-sharing agreement with the City of Bellingham to complete a RI/FS for the former MGP site under an Agreed Order with the City and WDOE. The Agreed Order was issued on April 30, 2010 by WDOE.

PSE and the City of Bellingham performed an upland and sediment investigation under the Agreed Order. The remedial investigation (RI) was led by the City and the feasibility study (FS) was led by PSE. The draft RI/FS has been accepted by WDOE and it is currently progressing through the public comment process. The RI/FS report will likely be finalized during the first quarter of 2019 after all public comments have been addressed. Subsequent actions in 2019 will likely involve preparation of a cleanup action plan and negotiation of an administrative agreement for future permitting, remedial design and implementation.

### **F. Electron Flume**

PSE formerly owned the Electron Hydroelectric project which includes a wooden flume used to convey water from the diversion dam to the Electron Powerhouse. The flume is approximately 10 miles long and is located on the southwest slope of the Puyallup River valley. PSE historically replaced portions of the flume during routine maintenance and repair activities. The removed wood was typically placed on the



ground surface at the location of the repair. This produced piles of wood debris that remained along the flume alignment. Based on historical information, some of this wood was treated with chemical preservatives.

In response to WDOE inquiries, PSE sent a letter in late 2006 committing to begin a project to remove the large debris immediately adjacent to the flume. Characterization has shown this debris to be a mix of both treated and untreated wood of similar properties to the debris piles formerly located at the Buckley Headwork's and qualifies for the arsenical-treated wood exclusion. At the direction of WDOE, all large piles of treated wood debris that could be addressed safely have been removed and sent off-site for proper disposal. If the current owner of the Electron plant is able to remove remnant wood debris in the future, PSE would be responsible for its disposal as well as other contamination considered to be "pre-existing" based on an agreement with the owner.

#### **G. Puyallup Garage**

During the early 90's, remediation was performed to remove the majority of accessible contaminated soil at PSE's Puyallup Service Center. Contaminated soil remains beneath the former garage building. PSE expects to perform remediation at this site in the future when the soil becomes accessible.

#### **H. Crystal Mountain Generator Station**

PSE operates a remote electric generating facility near Crystal Mountain Ski Resort at which a release of diesel fuel occurred in 2006. PSE conducted an emergency response and cleanup overseen by EPA and WDOE. PSE has now settled all civil penalty claims of the United States and WDOE as well as the natural resource damage claims of the Natural Resource Trustees originating from a diesel spill in 2006.

Final site restoration will be required after removing the trench and treatment system. Following the final restoration, groundwater monitoring will likely be necessary for a number of years to verify the success of the remediation.

#### **I. City of Olympia vs. PSE (Plum Street Substation)**

On March 7, 2012, the City of Olympia filed a lawsuit against PSE asserting that a predecessor of PSE owned and operated an MGP at an adjacent site and that PSE also is responsible as the current owner of the adjacent Plum Street Substation. During construction of the new City Hall, the City alleged that it had encountered contamination from past MGP operations. PSE participated in a mediation with the City of Olympia and negotiated a settlement for this matter. The City Council approved the agreement in early December and dismissed the suit.

### **Electric Operations Remediation**

#### **J. Talbot Hill Substation and Switchyard**

During the investigation and remediation of a mineral oil release discovered in June 2009, contamination related to historic spills from electrical equipment was encountered at the site. Subsurface explorations identified contamination exceeding state cleanup levels beneath a portion of the site, including structural foundations supporting towers and electrical equipment. PSE completed an interim cleanup action that removed accessible contaminated soil from the site. Some contaminated soil remains beneath facility structures and will be addressed at a later date.

### **K. Sammamish Substation**

On June 16, 2011, a failure of a large transformer at PSE's Sammamish Substation occurred causing a fire and release of non-PCB mineral oil. PSE has completed remediation of the majority of contaminated soil, but there is some limited contamination adjacent to energized control cables that will need to be addressed sometime in the future when it becomes accessible.

### **L. Shuffleton Facility**

During PSE's environmental assessment of the Shuffleton property, vinyl chloride was detected in groundwater at concentrations greater than the cleanup level near the northwestern property boundary. An in-situ treatment system has been installed to address the vinyl chloride and monitoring is in progress to evaluate its effectiveness.

### **M. Central Waterfront**

On August 15, 2017 PSE received a notice from WDOE indicating that they believed PSE is a Potentially Responsible Party for the Central Waterfront Site located in Bellingham. The Central Waterfront site includes a former landfill operated by other PRPs prior to PSE purchasing the property in the 1970's for the location of a substation. WDOE has suggested that the landfill operation caused contamination of the area. PSE's initial evaluation of the available data suggests that the substation site is not a contributor to the Central Waterfront Site. PSE continues to monitor development at the site.

### **N. Olympia Service Center USTs**

Two 10,000 gallon underground storage tanks (USTs) are located at the Olympia Service Center. PSE completed site assessment activities in October 2018 by performing subsurface soil and groundwater samples between and around the sites USTs. Due to nearby structures, PSE elected to close the tanks in place as permitted by Washington State regulations. A report has been submitted to WDOE documenting the closure. This project is complete and no future activities are anticipated.

The following 2 pages reflect the balances in each of the deferred Environmental Remediation Accounts for the period January 1, 2018 through December 31, 2018 consistent with reporting requirements outlined in the Settlement (paragraph 55 subpart D--Monthly & Year end deferred balance for the reporting year)

PUGET SOUND ENERGY  
DEFERRED ENVIRONMENTAL REMEDIATION COST DETAIL FOR ELECTRIC  
January 2018 - December 2018

| SAP Order | SAP Account | Site Description  | Order in Docket #                         | Year Established | Amortization Period | Ending Bal Dec-17   | Q1 2018             |                     |                     | Q2 2018             |                     |                     | Q3 2018             |                     |                   | Q4 2018           |                   |                     |
|-----------|-------------|---|---|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------|-------------------|-------------------|---------------------|
|           |             |   |   |                  |                     |                     | Jan-18              | Feb-18              | Mar-18              | Apr-18              | May-18              | Jun-18              | Jul-18              | Aug-18              | Sep-18            | Oct-18            | Nov-18            | Dec-18              |
| 18230010  | 18231251    | White River/Buckley Phase I Headworks (Remediation Cost)                    | UE-991796                                 |                  |                     | 67,166.16           | 67,636.16           | 73,855.46           | 67,166.16           | 67,166.16           | 67,166.16           | 67,166.16           | 67,166.16           | 67,166.16           | 67,166.16         | 67,166.16         | 67,166.16         | 67,166.16           |
|           | 18231251    | 2017 GRC transfer for amortization based on 9/30/2016 balances              | UE-170033                                 | Dec-17           | 5 years             | (5,906.25)          | (5,906.25)          | (5,906.25)          | (5,906.25)          | (5,906.25)          | (5,906.25)          | (5,906.25)          | (5,906.25)          | (5,906.25)          | (5,906.25)        | (5,906.25)        | (5,906.25)        | (5,906.25)          |
|           |             | <b>Subtotal White River/Buckley Phase I Headworks Site</b>                  |   |                  |                     | <b>61,259.91</b>    | <b>61,729.91</b>    | <b>67,949.21</b>    | <b>61,259.91</b>    | <b>61,259.91</b>    | <b>61,259.91</b>    | <b>61,259.91</b>    | <b>61,259.91</b>    | <b>61,259.91</b>    | <b>61,259.91</b>  | <b>61,259.91</b>  | <b>61,259.91</b>  | <b>61,259.91</b>    |
| 18230009  | 18232251    | White River/Buckley Phase II Burn Pile and Wood Debris (Remediation Cost)   | UE-991796                                 |                  |                     | 2,170,724.45        | 2,170,744.45        | 2,170,744.45        | 2,173,054.20        | 2,173,054.20        | 2,173,054.20        | 2,173,054.20        | 2,173,054.20        | 2,173,054.20        | 2,173,054.20      | 2,173,054.20      | 2,173,054.20      | 2,173,054.20        |
|           | 18232251    | 2017 GRC transfer for amortization based on 9/30/2016 balances              | UE-170033                                 | Dec-17           | 5 years             | (2,147,559.11)      | (2,147,559.11)      | (2,147,559.11)      | (2,147,559.11)      | (2,147,559.11)      | (2,147,559.11)      | (2,147,559.11)      | (2,147,559.11)      | (2,147,559.11)      | (2,147,559.11)    | (2,147,559.11)    | (2,147,559.11)    | (2,147,559.11)      |
|           |             | <b>Subtotal White River/Buckley Phase II Burn Pile and Wood Debris Site</b> |   |                  |                     | <b>23,165.34</b>    | <b>23,185.34</b>    | <b>23,185.34</b>    | <b>25,495.09</b>    | <b>25,495.09</b>    | <b>25,495.09</b>    | <b>25,495.09</b>    | <b>25,495.09</b>    | <b>25,495.09</b>    | <b>25,495.09</b>  | <b>25,495.09</b>  | <b>25,495.09</b>  | <b>25,495.09</b>    |
| 18230021  | 18232271    | Lower Duwamish Waterway (Remediation Cost)                                  | UE-021537                                 |                  |                     | 857,574.58          | 880,213.08          | 905,216.58          | 919,726.83          | 930,721.33          | 891,934.91          | 896,705.92          | 911,111.78          | 918,459.33          | 932,291.72        | 955,213.54        | 961,266.06        | 972,337.90          |
|           | 18232271    | 2017 GRC transfer for amortization based on 9/30/2016 balances              | UE-170033                                 | Dec-17           | 5 years             | (213,649.22)        | (213,649.22)        | (395,506.65)        | (554,080.48)        | (587,799.63)        | (587,799.63)        | (587,799.63)        | (628,034.49)        | (628,034.49)        | (628,034.49)      | (628,034.49)      | (628,034.49)      | (628,034.49)        |
|           |             | <b>Subtotal Lower Duwamish Waterway Site</b>                                |   |                  |                     | <b>643,925.36</b>   | <b>666,563.86</b>   | <b>509,709.93</b>   | <b>365,646.35</b>   | <b>342,921.70</b>   | <b>304,135.28</b>   | <b>308,906.29</b>   | <b>283,077.29</b>   | <b>290,424.84</b>   | <b>304,257.23</b> | <b>327,179.05</b> | <b>333,231.57</b> | <b>344,303.41</b>   |
| 18230041  | 18233091    | Tenino Service Center UST (Remediation Cost)                                | UE-911476                                 |                  |                     | 198,092.16          | 198,092.16          | 198,092.16          | 198,092.16          | 198,092.16          | 198,092.16          | 198,092.16          | 198,092.16          | 198,092.16          | 198,092.16        | 198,092.16        | 198,092.16        | 198,092.16          |
|           | 18233091    | 2017 GRC transfer for amortization based on 9/30/2016 balances              | UE-170033                                 | Dec-17           | 5 years             | (198,092.16)        | (198,092.16)        | (198,092.16)        | (198,092.16)        | (198,092.16)        | (198,092.16)        | (198,092.16)        | (198,092.16)        | (198,092.16)        | (198,092.16)      | (198,092.16)      | (198,092.16)      | (198,092.16)        |
|           |             | <b>Subtotal Tenino Service Center UST</b>                                   |   |                  |                     | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>            |
| 18601120  | 18608001    | Lower Baker Power Plant (Remediation Cost)                                  | UE-070724                                 |                  |                     | 460,060.12          | 461,982.62          | 464,459.27          | 464,459.27          | 464,459.27          | 465,387.27          | 467,926.92          | 467,926.92          | 471,105.17          | 475,563.75        | 477,320.65        | 480,572.15        | 481,196.65          |
|           | 18608001    | 2017 GRC transfer for amortization based on 9/30/2016 balances              | UE-170033                                 | Dec-17           | 5 years             | (440,996.89)        | (440,996.89)        | (440,996.89)        | (440,996.89)        | (440,996.89)        | (440,996.89)        | (440,996.89)        | (440,996.89)        | (440,996.89)        | (440,996.89)      | (440,996.89)      | (440,996.89)      | (440,996.89)        |
|           |             | <b>Subtotal Lower Baker Power Plant Site</b>                                |   |                  |                     | <b>19,063.23</b>    | <b>20,985.73</b>    | <b>23,462.38</b>    | <b>23,462.38</b>    | <b>23,462.38</b>    | <b>24,390.38</b>    | <b>26,930.03</b>    | <b>26,930.03</b>    | <b>30,108.28</b>    | <b>34,566.86</b>  | <b>36,323.76</b>  | <b>39,575.26</b>  | <b>40,199.76</b>    |
| 18601121  | 18608021    | Snoqualmie Hydro Generation (Remediation Cost)                              | UE-072060                                 |                  |                     | 2,254,508.17        | 2,254,508.17        | 2,254,508.17        | 2,254,508.17        | 2,254,508.17        | 2,254,508.17        | 2,254,508.17        | 2,254,508.17        | 2,254,508.17        | 2,254,508.17      | 2,254,508.17      | 2,254,508.17      | 2,254,508.17        |
|           | 18608021    | 2017 GRC transfer for amortization based on 9/30/2016 balances              | UE-170033                                 | Dec-17           | 5 years             | (2,254,508.17)      | (2,254,508.17)      | (2,254,508.17)      | (2,254,508.17)      | (2,254,508.17)      | (2,254,508.17)      | (2,254,508.17)      | (2,254,508.17)      | (2,254,508.17)      | (2,254,508.17)    | (2,254,508.17)    | (2,254,508.17)    | (2,254,508.17)      |
|           |             | <b>Subtotal Snoqualmie Hydro Generation Site</b>                            |   |                  |                     | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>            |
| 18601122  | 18608041    | Bellingham South State Street MGP (former Blvd Park) (Remediation Cost)     | UE-081016                                 |                  |                     | 3,062,873.71        | 3,150,934.98        | 3,150,934.98        | 3,192,256.14        | 3,201,896.94        | 3,225,317.05        | 3,229,577.80        | 3,232,524.85        | 3,239,493.71        | 3,296,264.46      | 3,316,554.38      | 3,318,734.74      | 3,332,774.73        |
|           | 18608041    | 2017 GRC transfer for amortization based on 9/30/2016 balances              | UE-170033                                 | Dec-17           | 5 years             | (671,885.74)        | (671,885.74)        | (687,498.53)        | (687,498.53)        | (706,727.52)        | (706,727.52)        | (707,637.95)        | (707,637.95)        | (708,435.51)        | (708,435.51)      | (714,790.09)      | (714,790.09)      | (715,288.03)        |
|           | 18608041    | One time correcting Env Entry in March 2018 ordered by WUTC                 |   |                  |                     | -                   | -                   | (351,153.55)        | (351,153.55)        | (351,153.55)        | (351,153.55)        | (351,153.55)        | (351,153.55)        | (351,153.55)        | (351,153.55)      | (351,153.55)      | (351,153.55)      | (351,153.55)        |
|           | 18608041    | 2017 GRC transfer for amortization based on 9/30/2016 balances              | UE-170033                                 | Dec-17           | 5 years             | (1,579,857.19)      | (1,579,857.19)      | (1,579,857.19)      | (1,579,857.19)      | (1,579,857.19)      | (1,579,857.19)      | (1,579,857.19)      | (1,579,857.19)      | (1,579,857.19)      | (1,579,857.19)    | (1,579,857.19)    | (1,579,857.19)    | (1,579,857.19)      |
|           |             | <b>Subtotal Bellingham South State Street MGP (former Blvd Park) Site</b>   |   |                  |                     | <b>811,130.78</b>   | <b>899,192.05</b>   | <b>883,579.26</b>   | <b>573,745.87</b>   | <b>564,159.66</b>   | <b>587,578.79</b>   | <b>590,929.11</b>   | <b>593,876.16</b>   | <b>600,047.46</b>   | <b>656,818.21</b> | <b>670,753.55</b> | <b>672,933.91</b> | <b>686,475.96</b>   |
| 18601125  | 18608081    | Electron Flume (Remediation Cost)   | UE-070724                                 |                  |                     | 669,654.71          | 669,654.71          | 669,654.71          | 669,654.71          | 669,654.71          | 669,654.71          | 669,654.71          | 669,654.71          | 669,654.71          | 669,654.71        | 669,654.71        | 669,654.71        | 669,654.71          |
|           | 18608081    | 2017 GRC transfer for amortization based on 9/30/2016 balances              | UE-170033                                 | Dec-17           | 5 years             | (659,654.59)        | (659,654.59)        | (659,654.59)        | (659,654.59)        | (659,654.59)        | (659,654.59)        | (659,654.59)        | (659,654.59)        | (659,654.59)        | (659,654.59)      | (659,654.59)      | (659,654.59)      | (659,654.59)        |
|           |             | <b>Subtotal Electron Flume Site</b>   |   |                  |                     | <b>10,000.12</b>    | <b>10,000.12</b>    | <b>10,000.12</b>    | <b>10,000.12</b>    | <b>10,000.12</b>    | <b>10,000.12</b>    | <b>10,000.12</b>    | <b>10,000.12</b>    | <b>10,000.12</b>    | <b>10,000.12</b>  | <b>10,000.12</b>  | <b>10,000.12</b>  | <b>10,000.12</b>    |
| 18601128  | 18608141    | Talbot Hill Substation and Switchyard (Remediation Cost)                    | Blanket orders: UE-170033                 |                  |                     | 226,423.26          | 226,423.26          | 226,423.26          | 226,423.26          | 226,423.26          | 226,423.26          | 226,423.26          | 226,423.26          | 226,423.26          | 226,423.26        | 226,423.26        | 226,423.26        | 226,423.26          |
|           | 18608141    | 2017 GRC transfer for amortization based on 9/30/2016 balances              | UE-170033                                 | Dec-17           | 5 years             | (224,879.76)        | (224,879.76)        | (224,879.76)        | (224,879.76)        | (224,879.76)        | (224,879.76)        | (224,879.76)        | (224,879.76)        | (224,879.76)        | (224,879.76)      | (224,879.76)      | (224,879.76)      | (224,879.76)        |
|           |             | <b>Subtotal Talbot Hill Substation &amp; Switchyard Site</b>                |   |                  |                     | <b>1,543.50</b>     | <b>1,543.50</b>     | <b>1,543.50</b>     | <b>1,543.50</b>     | <b>1,543.50</b>     | <b>1,543.50</b>     | <b>1,543.50</b>     | <b>1,543.50</b>     | <b>1,543.50</b>     | <b>1,543.50</b>   | <b>1,543.50</b>   | <b>1,543.50</b>   | <b>1,543.50</b>     |
| 18601130  | 18608191    | Sammamish Substation (Remediation Cost)                                     | Blanket orders: UE-170033                 |                  |                     | 400,495.47          | 400,495.47          | 400,495.47          | 400,495.47          | 400,495.47          | 400,495.47          | 400,495.47          | 400,495.47          | 400,495.47          | 400,495.47        | 400,495.47        | 400,495.47        | 400,495.47          |
|           | 18608191    | 2017 GRC transfer for amortization based on 9/30/2016 balances              | UE-170033                                 | Dec-17           | 5 years             | (400,495.47)        | (400,495.47)        | (400,495.47)        | (400,495.47)        | (400,495.47)        | (400,495.47)        | (400,495.47)        | (400,495.47)        | (400,495.47)        | (400,495.47)      | (400,495.47)      | (400,495.47)      | (400,495.47)        |
|           |             | <b>Subtotal Sammamish Substation Site</b>                                   |   |                  |                     | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>            |
| 18601161  | 18608231    | City of Olympia v PSE Plum Street Station (Remediation Cost)                | Blanket orders: UE-070724, UE-072060, UE- |                  |                     | 1,999,240.65        | 1,999,240.65        | 1,999,240.65        | 1,999,240.65        | 1,999,240.65        | 1,999,240.65        | 1,999,240.65        | 2,003,927.06        | 2,003,927.06        | 2,003,927.06      | 2,004,927.06      | 2,004,927.06      | 2,004,927.06        |
|           | 18608271    | City of Olympia v PSE Plum Street Station (Insurance Recovery)              | 072060, UE-                               | Sep-18           |                     | (105,008.20)        | (105,008.20)        | (105,008.20)        | (105,008.20)        | (105,008.20)        | (105,008.20)        | (105,008.20)        | (105,008.20)        | (105,008.20)        | (105,008.20)      | (105,008.20)      | (105,008.20)      | (105,008.20)        |
|           | 18600911    | City of Olympia v PSE Plum Street Station - Reimbursement NEW Sept 2018     |   |                  |                     | -                   | -                   | -                   | -                   | -                   | -                   | -                   | -                   | (648,616.98)        | (1,187,006.98)    | (1,187,006.98)    | (1,187,319.48)    |                     |
|           | 18608231    | One time correcting Env Entry in March 2018 ordered by WUTC                 |   |                  |                     | -                   | -                   | (49,258.14)         | (49,258.14)         | (49,258.14)         | (49,258.14)         | (49,258.14)         | (49,258.14)         | (49,258.14)         | (49,258.14)       | (49,258.14)       | (49,258.14)       | (49,258.14)         |
|           | 18608231    | 2017 GRC transfer for amortization based on 9/30/2016 balances              | UE-170033                                 | Dec-17           | 5 years             | (231,698.24)        | (231,698.24)        | (231,698.24)        | (231,698.24)        | (231,698.24)        | (231,698.24)        | (231,698.24)        | (231,698.24)        | (231,698.24)        | (231,698.24)      | (231,698.24)      | (231,698.24)      | (231,698.24)        |
|           |             | <b>Subtotal City of Olympia v PSE Plum Street Station</b>                   |   |                  |                     | <b>1,662,534.21</b> | <b>1,662,534.21</b> | <b>1,662,534.21</b> | <b>1,613,276.07</b> | <b>1,613,276.07</b> | <b>1,613,276.07</b> | <b>1,613,276.07</b> | <b>1,617,962.48</b> | <b>1,617,962.48</b> | <b>969,345.50</b> | <b>431,955.50</b> | <b>431,955.50</b> | <b>(138,357.00)</b> |
| 18601163  | 18608281    | Shuffleton (Remediation Cost)   | Blanket orders: UE-170033                 |                  |                     | 95,466.60           | 97,088.10           | 105,998.21          | 110,358.71          | 110,358.71          | 109,388.71          | 118,740.71          | 118,740.71          | 178,026.67          | 183,927.67        | 197,892.75        | 197,892.75        | 212,724.66          |
|           | 18608281    | 2017 GRC transfer for amortization based on 9/30/2016 balances              | UE-170033                                 | Dec-17           | 5 years             | (95,466.60)         | (97,088.10)         | (105,998.21)        | (110,358.71)        | (110,358.71)        | (109,388.71)        | (118,740.71)        | (118,740.71)        | (178,026.67)        | (183,927.67)      | (197,892.75)      | (197,892.75)      | (212,724.66)        |
|           |             | <b>Subtotal Shuffleton Site</b>   |   |                  |                     | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>            | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>            |
| 18601152  | 18608441    | Central Waterfront (Remediation Cost)                                       | Blanket orders: UE-170033                 |                  |                     | -                   | -                   | -                   | -                   | -                   | -                   | -                   | -                   | -                   | -                 | -                 | -                 | -                   |
|           | 18608251    | Whitehorn UST (Remediation Cost)  | UE-911476                                 |                  |                     | 695.75              | 695.75              | 695.75              | 695.75              | 695.75              | 695.75              | 695.75              | 24,170.33           | 85,047.90           | 93,239.51         | 95,628.85         | 98,674.46         | 99,334.66           |
|           | 18608271    | 2017 GRC transfer   |   |                  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                   |                   |                   |                     |

PUGET SOUND ENERGY  
DEFERRED ENVIRONMENTAL REMEDIATION COST DETAIL FOR GAS  
January 2018 - December 2018

| SAP Order | SAP Account | Site Description   | Order in Docket | Year Established | Amortization Period | Ending Bal Dec-17   | Q1 2018             |                     |                     | Q2 2018             |                     |                     | Q3 2018             |                     |                     | Q4 2018             |                     |                     |
|-----------|-------------|--|-----------------|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|           |             |  |                 |                  |                     |                     | Jan-18              | Feb-18              | Mar-18              | Apr-18              | May-18              | Jun-18              | Jul-18              | Aug-18              | Sep-18              | Oct-18              | Nov-18              | Dec-18              |
| 18606102  | 18608612    | Tacoma Gas Company (Upload Source Control) (Remediation Cost)  | UG-920840       |                  |                     | 516,454.13          | 822,164.87          | 822,164.87          | 822,164.87          | 823,589.87          | 830,084.14          | 832,804.58          | 844,638.59          | 850,779.95          | 854,481.95          | 854,684.45          | 857,020.85          | 862,215.01          |
|           | 18608612    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-170034       | Dec-17           | 5 years             | 30,957.33           | (785,957.33)        | (785,957.33)        | (785,957.33)        | (785,957.33)        | (785,957.33)        | (785,957.33)        | (785,957.33)        | (785,957.33)        | (785,957.33)        | (785,957.33)        | (785,957.33)        | (785,957.33)        |
|           |             | <b>Subtotal Tacoma Gas Company</b>                             |                 |                  |                     | <b>30,957.33</b>    | <b>36,207.54</b>    | <b>36,207.54</b>    | <b>36,207.54</b>    | <b>37,632.54</b>    | <b>44,126.81</b>    | <b>46,847.25</b>    | <b>58,681.26</b>    | <b>64,822.62</b>    | <b>68,524.62</b>    | <b>68,727.12</b>    | <b>71,063.52</b>    | <b>76,257.68</b>    |
| 18607102  | 18608712    | Tha Foss Waterway (Remediation Cost)                           |                 |                  |                     | 5,368,987.52        | 5,369,617.52        | 5,369,617.52        | 5,369,617.52        | 5,369,617.52        | 5,369,617.52        | 5,369,617.52        | 5,369,617.52        | 5,369,617.52        | 5,369,617.52        | 5,369,617.52        | 5,369,617.52        | 5,369,617.52        |
|           | 18608712    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-920840       |                  |                     | (3,488,999.10)      | (3,488,999.10)      | (3,488,999.10)      | (3,488,999.10)      | (3,488,999.10)      | (3,488,999.10)      | (3,488,999.10)      | (3,488,999.10)      | (3,488,999.10)      | (3,488,999.10)      | (3,488,999.10)      | (3,488,999.10)      | (3,488,999.10)      |
|           | 18608722    | Tha Foss Waterway (WADOT Settlement)                           |                 |                  |                     | 8,781.25            | 8,781.25            | 8,781.25            | 8,781.25            | 8,781.25            | 8,781.25            | 8,781.25            | 8,781.25            | 8,781.25            | 8,781.25            | 8,781.25            | 8,781.25            | 8,781.25            |
|           | 18608712    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-170034       | Dec-17           | 5 years             | (5,361,208.37)      | (5,361,208.37)      | (5,361,208.37)      | (5,361,208.37)      | (5,361,208.37)      | (5,361,208.37)      | (5,361,208.37)      | (5,361,208.37)      | (5,361,208.37)      | (5,361,208.37)      | (5,361,208.37)      | (5,361,208.37)      | (5,361,208.37)      |
|           | 18608772    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-920840       |                  |                     | 3,488,999.10        | 3,488,999.10        | 3,488,999.10        | 3,488,999.10        | 3,488,999.10        | 3,488,999.10        | 3,488,999.10        | 3,488,999.10        | 3,488,999.10        | 3,488,999.10        | 3,488,999.10        | 3,488,999.10        | 3,488,999.10        |
|           | 18608722    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-170034       | Dec-17           | 5 years             | (8,781.25)          | (8,781.25)          | (8,781.25)          | (8,781.25)          | (8,781.25)          | (8,781.25)          | (8,781.25)          | (8,781.25)          | (8,781.25)          | (8,781.25)          | (8,781.25)          | (8,781.25)          | (8,781.25)          |
|           |             | <b>Subtotal Tha Foss Waterway</b>                              |                 |                  |                     | <b>7,779.15</b>     | <b>8,094.15</b>     | <b>8,094.15</b>     | <b>8,094.15</b>     | <b>8,094.15</b>     | <b>8,094.15</b>     | <b>8,094.15</b>     | <b>8,094.15</b>     | <b>8,094.15</b>     | <b>8,094.15</b>     | <b>8,094.15</b>     | <b>8,094.15</b>     | <b>8,094.15</b>     |
| 18602102  | 18608212    | Everett MGP (Remediation Cost)                                 | UG-920781       |                  |                     | 1,485,636.56        | 1,485,636.56        | 1,485,636.56        | 1,485,636.56        | 1,485,636.56        | 1,485,402.93        | 1,485,402.93        | 1,485,402.93        | 1,485,402.93        | 1,485,402.93        | 1,485,402.93        | 1,485,402.93        | 1,485,402.93        |
|           | 18608212    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-170034       | Dec-17           | 5 years             | (801,551.75)        | (801,551.75)        | (801,551.75)        | (801,551.75)        | (801,551.75)        | (801,551.75)        | (801,551.75)        | (801,551.75)        | (801,551.75)        | (801,551.75)        | (801,551.75)        | (801,551.75)        | (801,551.75)        |
|           | 18608212    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-170034       | Dec-17           | 5 years             | (1,470,852.25)      | (1,470,852.25)      | (1,470,852.25)      | (1,470,852.25)      | (1,470,852.25)      | (1,470,852.25)      | (1,470,852.25)      | (1,470,852.25)      | (1,470,852.25)      | (1,470,852.25)      | (1,470,852.25)      | (1,470,852.25)      | (1,470,852.25)      |
|           |             | <b>Subtotal Everett MGP</b>                                    |                 |                  |                     | <b>14,784.31</b>    | <b>14,784.31</b>    | <b>14,784.31</b>    | <b>14,784.31</b>    | <b>13,114.68</b>    | <b>14,550.68</b>    | <b>14,550.68</b>    | <b>14,550.68</b>    | <b>14,550.68</b>    | <b>14,550.68</b>    | <b>16,160.88</b>    | <b>25,491.68</b>    | <b>25,491.68</b>    |
| 18603102  | 18608312    | Chehalis MGP (Remediation Cost)                                | UG-920840       |                  |                     | 3,970,968.52        | 3,970,968.52        | 3,970,968.52        | 3,970,968.52        | 3,970,968.52        | 3,970,968.52        | 3,970,968.52        | 3,971,338.12        | 3,971,304.52        | 3,977,595.92        | 3,977,595.92        | 3,977,595.92        | 3,977,595.92        |
|           | 18608312    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-170034       | Dec-17           | 5 years             | (3,961,262.00)      | (3,961,262.00)      | (3,961,262.00)      | (3,961,262.00)      | (3,961,262.00)      | (3,961,262.00)      | (3,961,262.00)      | (3,961,262.00)      | (3,961,262.00)      | (3,961,262.00)      | (3,961,262.00)      | (3,961,262.00)      | (3,961,262.00)      |
|           |             | <b>Subtotal Chehalis MGP</b>                                   |                 |                  |                     | <b>9,706.52</b>     | <b>9,706.52</b>     | <b>9,706.52</b>     | <b>9,706.52</b>     | <b>9,706.52</b>     | <b>9,706.52</b>     | <b>9,706.52</b>     | <b>10,076.12</b>    | <b>10,042.52</b>    | <b>16,333.92</b>    | <b>16,333.92</b>    | <b>16,333.92</b>    | <b>16,333.92</b>    |
| 18606302  | 18609432    | Post - Nov 2012 Gas Works Park (Remediation Cost)              |                 |                  |                     | 9,538,587.80        | 9,678,895.11        | 9,840,959.93        | 10,015,982.05       | 10,190,855.51       | 10,341,424.61       | 10,535,808.07       | 10,714,432.59       | 10,831,629.30       | 10,967,870.90       | 11,121,632.16       | 11,361,613.09       | 11,699,823.96       |
|           | 18609412    | Pre-Nov 2012 Gas Works Park (Remediation Cost)                 |                 |                  |                     | 2,651,381.74        | 2,651,381.74        | 2,651,381.74        | 2,651,381.74        | 2,651,381.74        | 2,651,381.74        | 2,651,381.74        | 2,651,381.74        | 2,651,381.74        | 2,651,381.74        | 2,651,381.74        | 2,651,381.74        | 2,651,381.74        |
|           | 18614102    | Pre-Nov 2012 Lake Union Sediments (Remediation Cost)           |                 |                  |                     | 12,405,154.71       | 12,405,154.71       | 12,405,154.71       | 12,405,154.71       | 12,405,154.71       | 12,405,154.71       | 12,405,154.71       | 12,405,154.71       | 12,405,154.71       | 12,405,154.71       | 12,405,154.71       | 12,405,154.71       | 12,405,154.71       |
|           | 18606302    | Gas Works Park (Insurance Recovery/3rd parties)                | UG-920840       |                  |                     | (499,235.72)        | (610,964.85)        | (610,964.85)        | (610,964.85)        | (610,964.85)        | (610,964.85)        | (706,443.70)        | (706,443.70)        | (810,408.90)        | (810,408.90)        | (894,661.47)        | (894,661.47)        |                     |
|           | 18609432    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-170034       | Dec-17           | 5 years             | (6,872,373.62)      | (6,872,373.62)      | (6,872,373.62)      | (6,872,373.62)      | (6,872,373.62)      | (6,872,373.62)      | (6,872,373.62)      | (6,872,373.62)      | (6,872,373.62)      | (6,872,373.62)      | (6,872,373.62)      | (6,872,373.62)      | (6,872,373.62)      |
|           | 18609412    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-170034       | Dec-17           | 5 years             | (2,651,381.74)      | (2,651,381.74)      | (2,651,381.74)      | (2,651,381.74)      | (2,651,381.74)      | (2,651,381.74)      | (2,651,381.74)      | (2,651,381.74)      | (2,651,381.74)      | (2,651,381.74)      | (2,651,381.74)      | (2,651,381.74)      | (2,651,381.74)      |
|           | 18609312    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-170034       | Dec-17           | 5 years             | (12,405,154.71)     | (12,405,154.71)     | (12,405,154.71)     | (12,405,154.71)     | (12,405,154.71)     | (12,405,154.71)     | (12,405,154.71)     | (12,405,154.71)     | (12,405,154.71)     | (12,405,154.71)     | (12,405,154.71)     | (12,405,154.71)     | (12,405,154.71)     |
|           |             | <b>Subtotal Gas Works Park &amp; Lake Union</b>                |                 |                  |                     | <b>2,166,978.46</b> | <b>2,195,556.64</b> | <b>2,357,621.46</b> | <b>2,532,643.58</b> | <b>2,707,517.04</b> | <b>2,858,086.14</b> | <b>2,956,990.75</b> | <b>3,135,615.27</b> | <b>3,252,811.98</b> | <b>3,275,088.38</b> | <b>3,438,949.64</b> | <b>3,594,578.00</b> | <b>3,932,788.87</b> |
| 18612102  | 18609512    | Quendall Terminal (Remediation Cost)                           | UG-920840       |                  |                     | 294,248.00          | 294,248.00          | 294,248.00          | 294,248.00          | 294,248.00          | 294,248.00          | 294,248.00          | 294,248.00          | 294,248.00          | 294,248.00          | 294,248.00          | 294,248.00          | 294,248.00          |
|           | 18609512    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-170034       | Dec-17           | 5 years             | (227,819.36)        | (227,819.36)        | (227,819.36)        | (227,819.36)        | (227,819.36)        | (227,819.36)        | (227,819.36)        | (227,819.36)        | (227,819.36)        | (227,819.36)        | (227,819.36)        | (227,819.36)        | (227,819.36)        |
|           |             | <b>Subtotal Quendall Terminal</b>                              |                 |                  |                     | <b>66,428.64</b>    | <b>66,428.64</b>    | <b>66,428.64</b>    | <b>66,428.64</b>    | <b>66,428.64</b>    | <b>66,428.64</b>    | <b>66,428.64</b>    | <b>66,428.64</b>    | <b>66,428.64</b>    | <b>66,428.64</b>    | <b>66,428.64</b>    | <b>66,428.64</b>    | <b>66,428.64</b>    |
| 18601102  | 18608112    | Post-June 1999 Tacoma Tar Pits (Remediation Cost)              |                 |                  |                     | 4,615,523.84        | 4,650,315.15        | 4,674,326.45        | 4,697,045.65        | 4,724,066.75        | 4,749,271.28        | 4,775,664.90        | 4,826,067.92        | 4,850,454.08        | 4,859,278.25        | 4,883,379.83        | 4,909,109.14        | 4,951,467.44        |
|           | 18608112    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-920781       |                  |                     | 34,881,722.38       | 34,881,722.38       | 34,881,722.38       | 34,881,722.38       | 34,881,722.38       | 34,881,722.38       | 34,881,722.38       | 34,881,722.38       | 34,881,722.38       | 34,881,722.38       | 34,881,722.38       | 34,881,722.38       | 34,881,722.38       |
|           | 18608112    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-170034       | Dec-17           | 5 years             | (39,029,531.23)     | (39,029,531.23)     | (39,029,531.23)     | (39,029,531.23)     | (39,029,531.23)     | (39,029,531.23)     | (39,029,531.23)     | (39,029,531.23)     | (39,029,531.23)     | (39,029,531.23)     | (39,029,531.23)     | (39,029,531.23)     | (39,029,531.23)     |
|           |             | <b>Subtotal Tacoma Tar Pits</b>                                |                 |                  |                     | <b>467,714.99</b>   | <b>526,517.60</b>   | <b>549,236.80</b>   | <b>576,257.99</b>   | <b>601,462.43</b>   | <b>627,856.05</b>   | <b>658,279.07</b>   | <b>702,645.23</b>   | <b>711,469.49</b>   | <b>715,900.29</b>   | <b>735,570.80</b>   | <b>761,300.29</b>   | <b>806,658.59</b>   |
| 18603202  | 18609532    | Bay Station (Remediation Cost)                                 | UG-920840       |                  |                     | 1,081,533.92        | 1,135,907.80        | 1,220,360.42        | 1,257,508.74        | 1,267,967.74        | 1,304,493.98        | 1,321,473.48        | 1,394,416.04        | 1,425,141.01        | 1,431,874.79        | 1,431,874.79        | 1,602,535.67        | 1,801,113.40        |
|           | 18609532    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-170034       | Dec-17           | 5 years             | (436,858.74)        | (436,858.74)        | (436,858.74)        | (436,858.74)        | (436,858.74)        | (436,858.74)        | (436,858.74)        | (436,858.74)        | (436,858.74)        | (436,858.74)        | (436,858.74)        | (436,858.74)        | (436,858.74)        |
|           |             | <b>Subtotal Bay Station</b>                                    |                 |                  |                     | <b>644,675.18</b>   | <b>699,049.06</b>   | <b>783,501.68</b>   | <b>820,650.00</b>   | <b>831,109.00</b>   | <b>867,635.24</b>   | <b>884,614.74</b>   | <b>957,557.30</b>   | <b>988,282.27</b>   | <b>995,016.05</b>   | <b>995,016.05</b>   | <b>1,165,676.93</b> | <b>1,364,254.66</b> |
| 18614402  | 18609542    | Olympia Columbia Street MGP (Remediation Cost)                 |                 |                  |                     | 1,274,144.71        | 1,282,943.90        | 1,282,943.90        | 1,295,142.78        | 1,308,273.26        | 1,326,396.59        | 1,335,399.84        | 1,345,397.33        | 1,359,142.03        | 1,359,142.03        | 1,360,334.23        | 1,361,780.75        | 1,362,366.75        |
|           | 18608792    | Olympia Columbia Street MGP (WADOT Settlement)                 | UG-920840       |                  |                     | (160,310.15)        | (160,310.15)        | (160,310.15)        | (160,310.15)        | (160,310.15)        | (160,310.15)        | (160,310.15)        | (160,310.15)        | (160,310.15)        | (160,310.15)        | (160,310.15)        | (160,310.15)        | (160,310.15)        |
|           | 18609542    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-170034       | Dec-17           | 5 years             | (1,263,973.54)      | (1,263,973.54)      | (1,263,973.54)      | (1,263,973.54)      | (1,263,973.54)      | (1,263,973.54)      | (1,263,973.54)      | (1,263,973.54)      | (1,263,973.54)      | (1,263,973.54)      | (1,263,973.54)      | (1,263,973.54)      | (1,263,973.54)      |
|           | 18608792    | 2017 GRC transfer for amortization based on 9/30/2016 balances | UG-170034       | Dec-17           | 5 years             | 160,310.15          | 160,310.15          | 160,310.15          | 160,310.15          | 160,310.15          | 160,310.15          | 160,310.15          | 160,310.15          | 160,310.15          | 160,310.15          | 160,310.15          | 160,310.15          | 160,310.15          |
|           |             | <b>Subtotal Olympia Columbia Street MGP</b>                    |                 |                  |                     | <b>10,171.17</b>    | <b>18,700.36</b>    | <b>18,700.36</b>    | <b>31,169.24</b>    | <b>44,299.72</b>    | <b>62,423.05</b>    | <b>71,426.30</b>    |                     |                     |                     |                     |                     |                     |

The following worksheets represent the deferral activity by month in each Environmental Remediation Account for the January 2018 through December 31, 2018.

The Activity Summary pages provide overviews of activity within each Electric/Gas subaccount and the 'Activity' tabs reflect the monthly entries to each account. The 'activity' pages also include the amount of 3rd party and insurance recoveries received during the reporting period by month and associated with the project for which they were received.

**PUGET SOUND ENERGY**  
**DEFERRED ACTUAL ENVIRONMENTAL REMEDIATION COST SUMMARY FOR ELECTRIC**  
**JANUARY 2018 - DECEMBER 2018**

| SAP Account        | Order in Docket # (a)                      | Site Description                                       | Cummulative Ending Bal. Dec-17 | Jan 2018 - Dec 2018         |                                |  | Cummulative Ending Bal. Dec-18 |
|--------------------|--|--|--------------------------------|-----------------------------|--------------------------------|--|--------------------------------|
|                    |  |  |                                | Jan-18 thru Dec-18 Activity | Insurance/3rd Party Recoveries | Bal. authorized to transfer for amortization |                                |
| 18231241, 18231251 | UE-991796, UE-170033                       | White River/Buckley Phase I Headworks Site             | 61,260                         | -                           | -                              | -  | 61,260                         |
| 18232221, 18232251 | UE-991796, UE-170033                       | White River/Buckley Phase II Burn Pile and Wood Debris | 23,165                         | 2,330                       | -                              | -  | 25,495                         |
| 18232261, 18232271 | UE-021537, UE-170033                       | Lower Duwamish Waterway                                | 250,051                        | 77,042                      | (414,385)                      | -  | (87,292)                       |
| 18230321, 18233091 | UE-911476, UE-170033                       | Tenino Service Center UST                              | -                              | -                           | -                              | -  | -                              |
| 18608011, 18608001 | UE-070724, UE-170033                       | Lower Baker Power Plant                                | 19,063                         | 21,137                      | -                              | -  | 40,200                         |
| 18608031, 18608021 | UE-072060, UE-170033                       | Snoqualmie Hydro Generation                            | -                              | -                           | -                              | -  | -                              |
| 18608051, 18608041 | UE-081016, UE-170033                       | Bellingham South State Street MGP                      | 811,131                        | (81,253)                    | (43,402)                       | -  | 686,476                        |
| 18608111, 18608081 | UE-070724, UE-170033                       | Electron Flume   | 10,000                         | -                           | -                              | -  | 10,000                         |
| 18608151, 18608141 | UE-070724, UE-072060, UE-081016, UE-170033 | Talbot Hill Substation and Switchyard                  | 1,544                          | -                           | -                              | -  | 1,544                          |
| 18608181, 18608191 | UE-070724, UE-072060, UE-081016, UE-170033 | Sammamish Substation                                   | -                              | -                           | -                              | -  | -                              |
| 18608221, 18608231 | UE-070724, UE-072060, UE-081016, UE-170033 | City of Olympia v PSE Plum Street Station              | 1,662,534                      | (43,572)                    | (1,757,319)                    | -  | (138,357)                      |
| 18608291, 18608281 | UE-070724, UE-072060, UE-081016            | Shuffleton   | 95,467                         | 117,258                     | -                              | -  | 212,725                        |
| 18608451, 18608441 | UE-070724, UE-072060, UE-081016            | Central Waterfront                                     | -                              | -                           | -                              | -  | -                              |
| 18608241, 18608251 | UE-911476, UE-170033                       | Whitehorn UST  | -                              | 98,639                      | -                              | -  | 98,639                         |
| 18608171           | UE-070724, UE-072060, UE-081016, UE-170033 | Everett Asarco   | -                              | -                           | -                              | -  | -                              |
| 18608211           | UE-070724, UE-072060, UE-081016, UE-170033 | Pt. Robinson Cable Station                             | -                              | -                           | -                              | -  | -                              |
| 22841001           | Multiple Dockets                           | Unallocated Def Elec Env Rem Recoveries                | (2,866,722)                    | 438,133                     | -                              | -  | (2,428,589)                    |
|                    |  | <b>Grand Total</b>                                     | <b>67,493</b>                  | <b>629,714</b>              | <b>(2,215,106)</b>             | <b>-</b>                                     | <b>(1,517,899)</b>             |
|                    |  |  | (1)                            |                             |                                | check  | (2)                            |

(a) The deferred accounting would include only those amounts paid to outside vendors, contractors, or to reimburse others for such costs and would not include legal costs or the costs related to Company personnel. Any recovery of insurance proceeds, net of outside legal costs incurred in pursuing such recovery.  
UE-170033 - PSE's 2017 general rate case filed under UE-170033 did not authorize deferral of specific sites but allowed for amortization of the September 2016 balances over five years for the sites noted.

PUGET SOUND ENERGY  
DEFERRED ENVIRONMENTAL REMEDIATION COST DEFERRED ACTIVITY FOR ELECTRIC  
January 2018 - December 2018

| SAP Order | SAP Account | Site Description   | Order in Docket #                                | Year Established | Amortization Period | YTD                     | Q1 2018          |                     |                     |                    | Q2 2018            |                 |                    | Q3 2018          |                     |                     | Q4 2018         |                     |                         | YTD                   |              |
|-----------|-------------|--|--|------------------|---------------------|-------------------------|------------------|---------------------|---------------------|--------------------|--------------------|-----------------|--------------------|------------------|---------------------|---------------------|-----------------|---------------------|-------------------------|-----------------------|--------------|
|           |             |  |  |                  |                     | Cummulative Bal. Dec-17 | Jan-18           | Feb-18              | Mar-18              | Apr-18             | May-18             | Jun-18          | Jul-18             | Aug-18           | Sep-18              | Oct-18              | Nov-18          | Dec-18              | Cummulative Bal. Dec-18 |                       |              |
| 18230010  | 18231251    | White River/Buckley Phase I Headworks (Remediation Cost)                       | UE-991796  |                  |                     | 67,166.16               | 470.00           | 6,219.30            | (6,689.30)          | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | 67,166.16             |              |
|           | 18231251    | 2017 GRC transfer for amortization based on 9/30/2016 balances                 | UE-170033  | Dec-17           | 5 years             | (5,906.25)              | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (5,906.25)            |              |
|           |             | <b>Subtotal White River/Buckley Phase I Headworks Site</b>                     |  |                  |                     | <b>61,259.91</b>        | <b>470.00</b>    | <b>6,219.30</b>     | <b>(6,689.30)</b>   |                    |                    |                 |                    |                  |                     |                     |                 |                     |                         | <b>61,259.91</b>      |              |
| 18230009  | 18232251    | White River/Buckley Phase II Burn Pile and Wood Debris (Remediation Cost)      | UE-991796  |                  |                     | 2,170,724.45            | 20.00            | -                   | 2,309.75            | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | 2,173,054.20          |              |
|           | 18232251    | 2017 GRC transfer for amortization based on 9/30/2016 balances                 | UE-170033  | Dec-17           | 5 years             | (2,147,559.11)          | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (2,147,559.11)        |              |
|           |             | <b>Subtotal White River/Buckley Phase II Burn Pile and Wood Debris Site</b>    |  |                  |                     | <b>23,165.34</b>        | <b>20.00</b>     |                     | <b>2,309.75</b>     |                    |                    |                 |                    |                  |                     |                     |                 |                     |                         | <b>25,495.09</b>      |              |
| 18230021  | 18232271    | Lower Duwamish Waterway (Remediation Cost)                                     |  |                  |                     | 857,574.58              | 22,638.50        | 25,003.50           | 14,510.25           | 10,994.50          | (38,786.42)        | 4,771.01        | 14,405.86          | 7,347.55         | 13,832.39           | 22,921.82           | 6,052.52        | 11,071.84           | -                       | 972,337.90            |              |
|           | 18232271    | Lower Duwamish Waterway (Insurance Recoveries/3rd parties)                     | UE-021537  |                  |                     | (213,649.22)            | -                | (181,857.43)        | (158,573.83)        | (33,719.15)        | -                  | -               | (40,234.86)        | -                | -                   | -                   | -               | -                   | -                       | -                     | (628,034.49) |
|           | 18232271    | One time correcting Env Entry in March 2018 ordered by WUTC                    |  |                  |                     | -                       | -                | -                   | (37,720.86)         | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | -                     | (37,720.86)  |
|           | 18232271    | 2017 GRC transfer for amortization based on 9/30/2016 balances                 | UE-170033  | Dec-17           | 5 years             | (393,874.50)            | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (393,874.50)          |              |
|           |             | <b>Subtotal Lower Duwamish Waterway Site</b>                                   |  |                  |                     | <b>250,050.86</b>       | <b>22,638.50</b> | <b>(156,853.93)</b> | <b>(181,784.44)</b> | <b>(22,724.65)</b> | <b>(38,786.42)</b> | <b>4,771.01</b> | <b>(25,829.00)</b> | <b>7,347.55</b>  | <b>13,832.39</b>    | <b>22,921.82</b>    | <b>6,052.52</b> | <b>11,071.84</b>    |                         | <b>(87,291.95)</b>    |              |
| 18230041  | 18233091    | Tenino Service Center UST (Remediation Cost)                                   | UE-911476  |                  |                     | 198,092.16              | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | 198,092.16            |              |
|           | 18233091    | 2017 GRC transfer for amortization; based on 9/30/2016 balances                | UE-170033  | Dec-17           | 5 years             | (198,092.16)            | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (198,092.16)          |              |
|           |             | <b>Subtotal Tenino Service Center UST</b>                                      |  |                  |                     | <b>-</b>                |                  |                     |                     |                    |                    |                 |                    |                  |                     |                     |                 |                     |                         | <b>-</b>              |              |
| 18601120  | 18608001    | Lower Baker Power Plant (Remediation Cost)                                     | UE-070724  |                  |                     | 460,060.12              | 1,922.50         | 2,476.65            | -                   | -                  | 928.00             | 2,539.65        | -                  | 3,178.25         | 4,458.58            | 1,756.90            | 3,251.50        | 624.50              | -                       | 481,196.65            |              |
|           | 18608001    | 2017 GRC transfer for amortization; based on 9/30/2016 balances                | UE-170033  | Dec-17           | 5 years             | (440,996.89)            | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (440,996.89)          |              |
|           |             | <b>Subtotal Lower Baker Power Plant Site</b>                                   |  |                  |                     | <b>19,063.23</b>        | <b>1,922.50</b>  | <b>2,476.65</b>     | <b>-</b>            | <b>-</b>           | <b>928.00</b>      | <b>2,539.65</b> | <b>-</b>           | <b>3,178.25</b>  | <b>4,458.58</b>     | <b>1,756.90</b>     | <b>3,251.50</b> | <b>624.50</b>       |                         | <b>40,199.76</b>      |              |
| 18601121  | 18608021    | Snoqualmie Hydro Generation (Remediation Cost)                                 | UE-072060  |                  |                     | 2,254,508.17            | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | 2,254,508.17          |              |
|           | 18608021    | 2017 GRC transfer for amortization; based on 9/30/2016 balances                | UE-170033  | Dec-17           | 5 years             | (2,254,508.17)          | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (2,254,508.17)        |              |
|           |             | <b>Subtotal Snoqualmie Hydro Generation Site</b>                               |  |                  |                     | <b>-</b>                |                  |                     |                     |                    |                    |                 |                    |                  |                     |                     |                 |                     |                         | <b>-</b>              |              |
| 18601122  | 18608041    | Bellingham South State Street MGP (former Blvd Park) (Remediation Cost)        |  |                  |                     | 3,062,873.71            | 88,061.27        | -                   | 41,320.16           | 9,641.80           | 23,420.11          | 4,260.75        | 2,947.05           | 6,968.86         | 56,770.75           | 20,289.92           | 2,180.36        | 14,039.99           | -                       | 3,332,774.73          |              |
| 18601119  | 18608041    | Bellingham South State Street MGP (Insurance Recovery/3rd parties)             | UE-081016  | 2784             |                     | (671,885.74)            | -                | (15,612.79)         | -                   | (19,228.99)        | -                  | (910.43)        | -                  | (797.56)         | -                   | (6,354.58)          | -               | (497.94)            | -                       | (715,288.03)          |              |
|           | 18608041    | One time correcting Env Entry in March 2018 ordered by WUTC                    |  |                  |                     | -                       | -                | (351,153.55)        | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (351,153.55)          |              |
|           | 18608041    | 2017 GRC transfer for amortization; based on 9/30/2016 balances                | UE-170033  | Dec-17           | 5 years             | (1,579,857.19)          | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (1,579,857.19)        |              |
|           |             | <b>Subtotal Bellingham South State Street MGP (former Blvd Park) Site</b>      |  |                  |                     | <b>811,130.78</b>       | <b>88,061.27</b> | <b>(15,612.79)</b>  | <b>(309,833.39)</b> | <b>(9,587.19)</b>  | <b>23,420.11</b>   | <b>3,350.32</b> | <b>2,947.05</b>    | <b>6,171.30</b>  | <b>56,770.75</b>    | <b>13,935.34</b>    | <b>2,180.36</b> | <b>13,542.05</b>    |                         | <b>686,475.96</b>     |              |
| 18601125  | 18608081    | Electron Flume (Remediation Cost)  | UE-070724  |                  |                     | 669,654.71              | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | 669,654.71            |              |
|           | 18608081    | 2017 GRC transfer for amortization; based on 9/30/2016 balances                | UE-170033  | Dec-17           | 5 years             | (659,654.59)            | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (659,654.59)          |              |
|           |             | <b>Subtotal Electron Flume Site</b>  |  |                  |                     | <b>10,000.12</b>        |                  |                     |                     |                    |                    |                 |                    |                  |                     |                     |                 |                     |                         | <b>10,000.12</b>      |              |
| 18601128  | 18608141    | Talbot Hill Substation and Switchyard (Remediation Cost)                       | Blanket orders : UE-070724, UE-072060, UE-081016 |                  |                     | 226,423.26              | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | 226,423.26            |              |
|           | 18608141    | 2017 GRC transfer for amortization; based on 9/30/2016 balances                | UE-170033  | Dec-17           | 5 years             | (224,879.76)            | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (224,879.76)          |              |
|           |             | <b>Subtotal Talbot Hill Substation &amp; Switchyard Site</b>                   |  |                  |                     | <b>1,543.50</b>         |                  |                     |                     |                    |                    |                 |                    |                  |                     |                     |                 |                     |                         | <b>1,543.50</b>       |              |
| 18601130  | 18608191    | Sammamish Substation (Remediation Cost)  | UE-072060, UE-081016                             |                  |                     | 400,495.47              | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | 400,495.47            |              |
|           | 18608191    | 2017 GRC transfer for amortization; based on 9/30/2016 balances                | UE-170033  | Dec-17           | 5 years             | (400,495.47)            | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (400,495.47)          |              |
|           |             | <b>Subtotal Sammamish Substation Site</b>                                      |  |                  |                     | <b>-</b>                |                  |                     |                     |                    |                    |                 |                    |                  |                     |                     |                 |                     |                         | <b>-</b>              |              |
| 18601161  | 18608231    | City of Olympia v PSE Plum Street Station (Remediation Cost)                   | Blanket orders : UE-070724, UE-072060, UE-081016 |                  |                     | 1,999,240.65            | -                | -                   | -                   | -                  | -                  | -               | 4,686.41           | -                | -                   | 1,000.00            | -               | -                   | -                       | 2,004,927.06          |              |
| 18601162  | 18608271    | City of Olympia v PSE Plum Street Station (Insurance Recovery/3rd parties)     |  |                  |                     | (105,008.20)            | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (105,008.20)          |              |
|           | 18600911    | City of Olympia v PSE Plum Street Station - Reimbursement <b>NEW Sept 2018</b> |  | Sep-18           |                     | -                       | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | (648,616.98)        | (538,390.00)        | -               | (570,312.50)        | -                       | (1,757,319.48)        |              |
|           | 18608231    | One time correcting Env Entry in March 2018 ordered by WUTC                    |  |                  |                     | -                       | -                | (49,258.14)         | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (49,258.14)           |              |
|           | 18608231    | 2017 GRC transfer for amortization; based on 9/30/2016 balances                | UE-170033  | Dec-17           | 5 years             | (231,698.24)            | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (231,698.24)          |              |
|           |             | <b>Subtotal City of Olympia v PSE Plum Street Station</b>                      |  |                  |                     | <b>1,662,534.21</b>     |                  | <b>(49,258.14)</b>  |                     |                    |                    |                 | <b>4,686.41</b>    |                  | <b>(648,616.98)</b> | <b>(537,390.00)</b> |                 | <b>(570,312.50)</b> |                         | <b>(138,357.00)</b>   |              |
| 18601163  | 18608281    | Shuffleton (Remediation Cost)  | Blanket orders : UE-070724, UE-072060, UE-081016 |                  |                     | 95,466.60               | 1,621.50         | 8,910.11            | 4,360.50            | -                  | (970.00)           | 9,352.00        | -                  | 59,285.96        | 5,901.00            | 13,965.08           | -               | 14,831.91           | -                       | 212,724.66            |              |
|           |             | <b>Subtotal Shuffleton Site</b>  |  |                  |                     | <b>95,466.60</b>        | <b>1,621.50</b>  | <b>8,910.11</b>     | <b>4,360.50</b>     |                    | <b>(970.00)</b>    | <b>9,352.00</b> |                    | <b>59,285.96</b> | <b>5,901.00</b>     | <b>13,965.08</b>    |                 | <b>14,831.91</b>    |                         | <b>212,724.66</b>     |              |
| 18601152  | 18608441    | Central Waterfront (Remediation Cost)  | Blanket orders : UE-070724, UE-072060, UE-081016 |                  |                     | -                       | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | -                     |              |
|           |             | <b>Subtotal Central Waterfront Site</b>  |  |                  |                     | <b>-</b>                |                  |                     |                     |                    |                    |                 |                    |                  |                     |                     |                 |                     |                         | <b>-</b>              |              |
| 18601171  | 18608251    | Whitehorn UST (Remediation Cost)   | UE-911476  |                  |                     | 695.75                  | -                | -                   | -                   | -                  | -                  | -               | 23,474.58          | 60,877.57        | 8,191.61            | 2,389.34            | 3,045.61        | 660.20              | -                       | 98,638.91             |              |
|           | 18608251    | 2017 GRC transfer for amortization; based on 9/30/2016 balances                | UE-170033  | Dec-17           | 5 years             | (695.75)                | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | -                     |              |
|           |             | <b>Subtotal Whitehorn UST</b>  |  |                  |                     | <b>-</b>                |                  |                     |                     |                    |                    |                 | <b>23,474.58</b>   | <b>60,877.57</b> | <b>8,191.61</b>     | <b>2,389.34</b>     | <b>3,045.61</b> | <b>660.20</b>       |                         | <b>98,638.91</b>      |              |
| 18601129  | 18608171    | Everett Asarco (Remediation Cost)  | Blanket orders : UE-070724, UE-072060, UE-081016 | 2011             |                     | 212,588.68              | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | 212,588.68            |              |
|           | 18608171    | 2017 GRC transfer for amortization; based on 9/30/2016 balances                | UE-170033  | Dec-17           | 5 years             | (212,588.68)            | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (212,588.68)          |              |
|           |             | <b>Subtotal Everett Asarco Site</b>  |  |                  |                     | <b>-</b>                |                  |                     |                     |                    |                    |                 |                    |                  |                     |                     |                 |                     |                         | <b>-</b>              |              |
| 18601151  | 18608211    | Pt. Robinson Cable Station (Remediation Cost)                                  | Blanket orders : UE-070724, UE-072060, UE-081016 | 2011             |                     | 111,880.23              | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | 111,880.23            |              |
|           | 18608211    | 2017 GRC transfer for amortization; based on 9/30/2016 balances                | UE-170033  | Dec-17           | 5 years             | (111,880.23)            | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (111,880.23)          |              |
|           |             | <b>Subtotal Pt. Robinson Cable Station</b>                                     |  |                  |                     | <b>-</b>                |                  |                     |                     |                    |                    |                 |                    |                  |                     |                     |                 |                     |                         | <b>-</b>              |              |
| 22841001  | 22841001    | Accum Misc Oper Provl - Unallocated Def Elec Env Rem Recoveries                | Multiple Dockets                                 | ---              |                     | (4,610,484.08)          | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | (4,610,484.08)        |              |
|           | 22841001    | One time correcting Env Entry in March 2018 ordered by WUTC                    |  |                  |                     | -                       | -                | -                   | 438,132.55          | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | 438,132.55            |              |
|           | 22841001    | 2017 GRC transfer for amortization; based on 9/30/2016 balances                | UE-170033  | Dec-17           | 5 years             | 1,743,761.81            | -                | -                   | -                   | -                  | -                  | -               | -                  | -                | -                   | -                   | -               | -                   | -                       | 1,743,761.81          |              |
|           |             | <b>Subtotal Unallocated Def Elec Env Rem Recoveries</b>                        |  |                  |                     | <b>(2,866,722.27)</b>   |                  |                     |                     | <b>438,132.55</b>  |                    |                 |                    |                  |                     |                     |                 |                     |                         | <b>(2,428,589.72)</b> |              |



PUGET SOUND ENERGY  
 DEFERRED ENVIRONMENTAL REMEDIATION COST DEFERRED ACTIVITY FOR ELECTRIC  
**January 2018 - December 2018**

| SAP Order | SAP Account | Site Description | Order in Docket # | Year Established | Amotization Period | YTD                     | Q1 2018    |              |              | Q2 2018     |             |           | Q3 2018  |            |              | Q4 2018      |           |              | YTD                     |
|-----------|-------------|------------------|-------------------|------------------|--------------------|-------------------------|------------|--------------|--------------|-------------|-------------|-----------|----------|------------|--------------|--------------|-----------|--------------|-------------------------|
|           |             |                  |                   |                  |                    | Cummulative Bal. Dec-17 | Jan-18     | Feb-18       | Mar-18       | Apr-18      | May-18      | Jun-18    | Jul-18   | Aug-18     | Sep-18       | Oct-18       | Nov-18    | Dec-18       | Cummulative Bal. Dec-18 |
|           |             |                  |                   |                  |                    |                         |            |              |              |             |             |           |          |            |              |              |           |              |                         |
|           |             |                  |                   |                  |                    |                         |            |              |              |             |             |           |          |            |              |              |           |              |                         |
|           |             | Grand Total      |                   |                  |                    | 67,492.28               | 114,733.77 | (154,860.66) | (102,762.47) | (32,311.84) | (15,408.31) | 20,012.98 | 5,279.04 | 136,860.63 | (559,462.65) | (482,421.52) | 14,529.99 | (529,582.00) | (1,517,900.76)          |

**PUGET SOUND ENERGY**  
**DEFERRED ACTUAL ENVIRONMENTAL REMEDIATION COST SUMMARY FOR GAS**  
**JANUARY 2018 - DECEMBER 2018**

| SAP Account         | Order in Docket # (a) | Site Description                                   | Cummulative<br>Ending Bal. Dec<br>17 | Jan 2018 - Dec 2018<br>ACTUAL COST |                                      |  |                                      |
|---------------------|-----------------------|--|--------------------------------------|------------------------------------|--------------------------------------|--|--------------------------------------|
|                     |                       |  |                                      | Jan-18 thru<br>Dec-18 Activity     | Insurance/3rd<br>Party<br>Recoveries | Bal. authorized to<br>transfer for<br>amortization | Cummulative<br>Ending Bal.<br>Dec-18 |
| 18609572, 18608612  | UG-920840, UG-170034  | Tacoma Gas Company                                 | 30,497                               | 45,761                             | -                                    | -  | 76,258                               |
| 18609582, 18608712, | UG-920840, UG-170034  | Thea Foss Waterway                                 | 7,779                                | 630                                | -                                    | -  | 8,409                                |
| 18609592, 18608212, | UG-920781, UG-170034  | Everett MGP  | 14,784                               | 10,707                             | -                                    | -  | 25,491                               |
| 18609602, 18608312  | UG-920840, UG-170034  | Chehalis MGP                                       | 9,707                                | 6,627                              | -                                    | -  | 16,334                               |
| 18609422, 18609432, | UG-920840, UG-170034  | Gas Works Park                                     | 2,166,978                            | 2,161,236                          | (395,426)                            | -  | 3,932,788                            |
| 18609622, 18609512  | UG-920840, UG-170034  | Quendall Terminal                                  | 66,429                               | -                                  | -                                    | -  | 66,429                               |
| 18609642, 18608112  | UG-920781, UG-170034  | Tacoma Tar Pits                                    | 467,715                              | 335,944                            | -                                    | -  | 803,659                              |
| 18609652, 18609532  | UG-920840, UG-170034  | Bay Station  | 644,675                              | 719,579                            | -                                    | -  | 1,364,254                            |
| 18609662, 18609542, | UG-920840, UG-170034  | Olympia Columbia Street MGP                        | 10,171                               | 88,222                             | -                                    | -  | 98,393                               |
| 18609672, 18608752  | UG-920840, UG-170034  | Verbeek Autowrecking                               | -                                    | -                                  | -                                    | -  | -                                    |
| 18608012, 18608002  | UG-920840, UG-170034  | Downtowner Property                                | 252,676                              | 43,822                             | -                                    | -  | 296,498                              |
| 18609682, 18237112  | UG-920840, UG-170034  | Swarr Station                                      | 5,108                                | -                                  | -                                    | -  | 5,108                                |
| 18230210, 18237112  | UG-920840             | North Operating Base                               | -                                    | -                                  | -                                    | -  | -                                    |
| 18237122            | UG-920840, UG-170034  | South Seattle Gate Station                         | -                                    | -                                  | -                                    | -  | -                                    |
| 18237132            | UG-920840, UG-170034  | North Tacoma Gate Station                          | -                                    | -                                  | -                                    | -  | -                                    |
| 18237142            | UG-920840, UG-170034  | North Seattle Gate Station                         | -                                    | -                                  | -                                    | -  | -                                    |
| 18237152            | UG-920840, UG-170034  | Covington Gate Station                             | -                                    | -                                  | -                                    | -  | -                                    |
| 18608062            | Multiple Dockets      | Unallocated Insurance and Third Parties Recoveries | (21,301,772)                         | -                                  | (14,497)                             | -  | (21,316,269)                         |
|                     |                       | <b>Grand Total</b>                                 | <b>(17,625,253)</b>                  | <b>3,412,528</b>                   | <b>(409,923)</b>                     | -  | <b>(14,622,648)</b>                  |
|                     |                       |  | -                                    |                                    |                                      | check  | 1                                    |

(a) The deferred accounting would include only those amounts paid to outside vendors, contractors, or to reimburse others for such costs and would not include legal costs or the costs related to Company personnel. Any recovery of insurance proceeds, net of outside legal costs incurred in pursuing such recovery.  
UG-170034 - PSE's 2017 general rate case filed under UG-170034 did not authorize deferral of specific sites but allowed for amortization of the September 2016 balances over five years for the sites noted.

PUGET SOUND ENERGY  
DEFERRED ENVIRONMENTAL REMEDIATION COST DEFERRED ACTIVITY FOR GAS  
January 2018 - December 2018

| SAP Order | SAP Account | Site Description  | Order in Docket # | Year Established | Amortization Period | YTD                     | Q1 2018          |                   |                   | Q2 2018           |                   |                  | Q3 2018           |                   |                  | Q4 2018           |                   |                   | YTD                     |
|-----------|-------------|---|-------------------|------------------|---------------------|-------------------------|------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------------|
|           |             |   |                   |                  |                     | Cummulative Bal. Dec-17 | Jan-18           | Feb-18            | Mar-18            | Apr-18            | May-18            | Jun-18           | Jul-18            | Aug-18            | Sep-18           | Oct-18            | Nov-18            | Dec-18            | Cummulative Bal. Dec-18 |
| 18606102  | 18608612    | Tacoma Gas Company (Upload Source Control) (Remediation Cost)   | UG-920840         |                  |                     | 816,454.13              | 5,710.74         | -                 | -                 | 1,425.00          | 6,494.27          | 2,720.44         | 11,834.01         | 6,141.36          | 3,702.00         | 202.50            | 2,336.40          | 5,194.16          | 862,215.01              |
|           | 18608612    | 2017 GRC transfer for amortization based on 9/30/2016 balances  | UG-170034         | Dec-17           | 5 years             | (785,957.33)            | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (785,957.33)            |
|           |             | <b>Subtotal Tacoma Gas Company</b>                              |                   |                  |                     | <b>30,496.80</b>        | <b>5,710.74</b>  | <b>-</b>          | <b>-</b>          | <b>1,425.00</b>   | <b>6,494.27</b>   | <b>2,720.44</b>  | <b>11,834.01</b>  | <b>6,141.36</b>   | <b>3,702.00</b>  | <b>202.50</b>     | <b>2,336.40</b>   | <b>5,194.16</b>   | <b>76,257.68</b>        |
| 18607102  | 18608712    | Thea Foss Waterway (Remediation Cost)                           |                   |                  |                     | 5,368,987.52            | 315.00           | 315.00            | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | 5,369,617.52            |
|           | 18608772    | Thea Foss Waterway (WADOT Settlement)                           |                   |                  |                     | (3,488,999.10)          | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (3,488,999.10)          |
| 18607103  | 18608722    | Thea Foss Recovery  | UG-920840         |                  |                     | 8,781.25                | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | 8,781.25                |
|           | 18608712    | 2017 GRC transfer for amortization based on 9/30/2016 balances  |                   |                  |                     | (5,361,208.37)          | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (5,361,208.37)          |
|           | 18608772    | 2017 GRC transfer for amortization based on 9/30/2016 balances  |                   |                  |                     | 3,488,999.10            | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | 3,488,999.10            |
|           | 18608722    | 2017 GRC transfer for amortization based on 9/30/2016 balances  | UG-170034         | Dec-17           | 5 years             | (8,781.25)              | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (8,781.25)              |
|           |             | <b>Subtotal Thea Foss Waterway</b>                              |                   |                  |                     | <b>7,779.15</b>         | <b>315.00</b>    | <b>315.00</b>     | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>8,409.15</b>         |
| 18602102  | 18608212    | Everett MGP (Remediation Cost)                                  | UG-920781         |                  |                     | 1,485,636.56            | -                | -                 | -                 | (1,669.63)        | 1,436.00          | -                | -                 | -                 | -                | 1,610.20          | 9,330.80          | -                 | 1,496,343.93            |
|           | 18608782    | Everett MGP (WADOT Settlement)                                  |                   |                  |                     | (801,551.75)            | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (801,551.75)            |
|           | 18608212    | 2017 GRC transfer for amortization based on 9/30/2016 balances  |                   |                  |                     | (1,470,852.25)          | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (1,470,852.25)          |
|           | 18608782    | 2017 GRC transfer for amortization based on 9/30/2016 balances  | UG-170034         | Dec-17           | 5 years             | 801,551.75              | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | 801,551.75              |
|           |             | <b>Subtotal Everett MGP</b>                                     |                   |                  |                     | <b>14,784.31</b>        | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>(1,669.63)</b> | <b>1,436.00</b>   | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>         | <b>1,610.20</b>   | <b>9,330.80</b>   | <b>-</b>          | <b>25,491.68</b>        |
| 18603102  | 18608312    | Chehalis MGP (Remediation Cost)                                 | UG-920840         |                  |                     | 3,970,968.52            | -                | -                 | -                 | -                 | -                 | -                | 369.60            | (33.60)           | 6,291.40         | -                 | -                 | -                 | 3,977,595.92            |
|           | 18608312    | 2017 GRC transfer for amortization based on 9/30/2016 balances  | UG-170034         | Dec-17           | 5 years             | (3,961,262.00)          | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (3,961,262.00)          |
|           |             | <b>Subtotal Chehalis MGP</b>                                    |                   |                  |                     | <b>9,706.52</b>         | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>         | <b>369.60</b>     | <b>(33.60)</b>    | <b>6,291.40</b>  | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>16,333.92</b>        |
| 18606302  | 18609432    | Post-Nov 2012 Gas Works Park (Remediation Cost)                 |                   |                  |                     | 9,538,587.80            | 140,307.31       | 162,064.82        | 175,022.12        | 174,873.46        | 150,569.10        | 194,383.46       | 178,624.52        | 117,196.71        | 126,241.60       | 163,761.26        | 239,980.93        | 338,210.87        | 11,699,823.96           |
| 18604102  | 18608412    | Pre-Nov 2012 Gas Works Park (Remediation Cost)                  |                   |                  |                     | 2,651,381.74            | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | 2,651,381.74            |
| 18614102  | 18609312    | Pre-Nov 2012 Lake Union Sediments (Remediation Cost)            |                   |                  |                     | 12,405,154.71           | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | 12,405,154.71           |
| 18606303  | 18609402    | Gas Works Park (Insurance Recovery/3rd parties)                 | UG-920840         |                  |                     | (499,235.72)            | (111,729.13)     | -                 | -                 | -                 | -                 | -                | -                 | -                 | (103,965.20)     | -                 | -                 | (84,252.57)       | (894,661.47)            |
|           | 18609432    | 2017 GRC transfer for amortization based on 9/30/2016 balances  |                   |                  |                     | (6,872,373.62)          | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (6,872,373.62)          |
|           | 18608412    | 2017 GRC transfer for amortization based on 9/30/2016 balances  |                   |                  |                     | (2,651,381.74)          | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (2,651,381.74)          |
|           | 18609312    | 2017 GRC transfer for amortization based on 9/30/2016 balances  | UG-170034         | Dec-17           | 5 years             | (12,405,154.71)         | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (12,405,154.71)         |
|           |             | <b>Subtotal Gas Works Park &amp; Lake Union</b>                 |                   |                  |                     | <b>2,166,978.46</b>     | <b>28,578.18</b> | <b>162,064.82</b> | <b>175,022.12</b> | <b>174,873.46</b> | <b>150,569.10</b> | <b>98,904.61</b> | <b>178,624.52</b> | <b>117,196.71</b> | <b>22,276.40</b> | <b>163,761.26</b> | <b>155,728.36</b> | <b>338,210.87</b> | <b>3,932,788.87</b>     |
| 18612102  | 18609512    | Quendall Terminal (Remediation Cost)                            | UG-920840         |                  |                     | 294,248.00              | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | 294,248.00              |
|           | 18609512    | 2017 GRC transfer for amortization; based on 9/30/2016 balances | UG-170034         | Dec-17           | 5 years             | (227,819.36)            | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (227,819.36)            |
|           |             | <b>Subtotal Quendall Terminal</b>                               |                   |                  |                     | <b>66,428.64</b>        | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>66,428.64</b>        |
| 18601102  | 18608112    | Post-June 1999 Tacoma Tar Pits (Remediation Cost)               |                   |                  |                     | 4,615,523.84            | 34,791.31        | 24,011.30         | 22,719.20         | 27,021.10         | 25,204.53         | 26,393.62        | 50,403.02         | 24,386.16         | 8,824.17         | 24,101.58         | 25,729.31         | 42,358.30         | 4,951,467.44            |
| 18601102  | 18608112    | Pre-June 1999 Tacoma Tar Pits (Remediation Cost)                | UG-920781         |                  |                     | 34,881,722.38           | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | 34,881,722.38           |
|           | 18608112    | 2017 GRC transfer for amortization; based on 9/30/2016 balances | UG-170034         | Dec-17           | 5 years             | (39,029,531.23)         | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (39,029,531.23)         |
|           |             | <b>Subtotal Tacoma Tar Pits</b>                                 |                   |                  |                     | <b>467,714.99</b>       | <b>34,791.31</b> | <b>24,011.30</b>  | <b>22,719.20</b>  | <b>27,021.10</b>  | <b>25,204.53</b>  | <b>26,393.62</b> | <b>50,403.02</b>  | <b>24,386.16</b>  | <b>8,824.17</b>  | <b>24,101.58</b>  | <b>25,729.31</b>  | <b>42,358.30</b>  | <b>803,658.59</b>       |
| 18603202  | 18609532    | Bay Station (Remediation Cost)                                  | UG-920840         |                  |                     | 1,081,533.92            | 54,373.88        | 84,452.62         | 37,148.32         | 10,459.00         | 36,526.24         | 16,979.50        | 72,942.56         | 30,724.97         | 6,733.78         | -                 | 170,660.88        | 198,577.73        | 1,801,113.40            |
|           | 18609532    | 2017 GRC transfer for amortization; based on 9/30/2016 balances | UG-170034         | Dec-17           | 5 years             | (436,858.74)            | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (436,858.74)            |
|           |             | <b>Subtotal Bay Station</b>                                     |                   |                  |                     | <b>644,675.18</b>       | <b>54,373.88</b> | <b>84,452.62</b>  | <b>37,148.32</b>  | <b>10,459.00</b>  | <b>36,526.24</b>  | <b>16,979.50</b> | <b>72,942.56</b>  | <b>30,724.97</b>  | <b>6,733.78</b>  | <b>-</b>          | <b>170,660.88</b> | <b>198,577.73</b> | <b>1,364,254.66</b>     |
| 18614402  | 18609542    | Olympia Columbia Street MGP (Remediation Cost)                  |                   |                  |                     | 1,274,144.71            | 8,799.19         | -                 | 12,198.88         | 13,130.48         | 18,123.33         | 9,003.25         | 9,997.49          | 13,744.70         | -                | 1,192.20          | 1,446.52          | 586.00            | 1,362,366.75            |
|           | 18608792    | Olympia Columbia Street MGP (WADOT Settlement)                  | UG-920840         |                  |                     | (160,310.15)            | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (160,310.15)            |
|           | 18609542    | 2017 GRC transfer for amortization; based on 9/30/2016 balances |                   |                  |                     | (1,263,973.54)          | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (1,263,973.54)          |
|           | 18608792    | 2017 GRC transfer for amortization; based on 9/30/2016 balances | UG-170034         | Dec-17           | 5 years             | 160,310.15              | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | 160,310.15              |
|           |             | <b>Subtotal Olympia Columbia Street MGP</b>                     |                   |                  |                     | <b>10,171.17</b>        | <b>8,799.19</b>  | <b>-</b>          | <b>12,198.88</b>  | <b>13,130.48</b>  | <b>18,123.33</b>  | <b>9,003.25</b>  | <b>9,997.49</b>   | <b>13,744.70</b>  | <b>-</b>         | <b>1,192.20</b>   | <b>1,446.52</b>   | <b>586.00</b>     | <b>98,393.21</b>        |
| 18608302  | 18608752    | Verbeek Autowrecking (Remediation Cost)                         |                   |                  |                     | 2,050,122.67            | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | 2,050,122.67            |
|           | 18608752    | Verbeek Autowrecking (Insurance Recovery/3rd Parties)           | UG-920840         |                  |                     | (1,114,592.67)          | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (1,114,592.67)          |
|           | 18608752    | 2017 GRC transfer for amortization; based on 9/30/2016 balances | UG-170034         | Dec-17           | 5 years             | (935,530.00)            | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (935,530.00)            |
|           |             | <b>Subtotal Verbeek Autowrecking</b>                            |                   |                  |                     | <b>-</b>                | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>                |
| 18607104  | 18608002    | Downtown Property (Remediation Cost)                            | UG-920840         |                  |                     | 770,878.41              | -                | -                 | -                 | -                 | 24,773.08         | -                | 14,740.57         | (238.34)          | 824.46           | -                 | 3,721.75          | -                 | 814,699.93              |
|           | 18608002    | 2017 GRC transfer for amortization; based on 9/30/2016 balances | UG-170034         | Dec-17           | 5 years             | (518,202.47)            | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (518,202.47)            |
|           |             | <b>Subtotal Downtown Property</b>                               |                   |                  |                     | <b>252,675.94</b>       | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>24,773.08</b>  | <b>-</b>         | <b>14,740.57</b>  | <b>(238.34)</b>   | <b>824.46</b>    | <b>-</b>          | <b>3,721.75</b>   | <b>-</b>          | <b>296,497.46</b>       |
| 18230212  | 18237112    | Swarr Station (Remediation Cost)                                | UG-920840         |                  |                     | 294,228.84              | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | 294,228.84              |
|           | 18237112    | 2017 GRC transfer for amortization; based on 9/30/2016 balances | UG-170034         | Dec-17           | 5 years             | (289,121.19)            | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (289,121.19)            |
|           |             | <b>Subtotal Swarr Station</b>                                   |                   |                  |                     | <b>5,107.65</b>         | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>5,107.65</b>         |
| 18230210  | 18237112    | North Operating Base (Remediation Cost)                         | UG-920840         |                  |                     | -                       | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | -                       |
|           |             | <b>Subtotal North Operating Base</b>                            |                   |                  |                     | <b>-</b>                | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>                |
| 18237122  | 18237122    | South Seattle Gate Station (Remediation Cost)                   | UG-920840         | Prior to 1998    |                     | 169,602.13              | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | 169,602.13              |
|           | 18237122    | 2017 GRC transfer for amortization; based on 9/30/2016 balances | UG-170034         | Dec-17           | 5 years             | (169,602.13)            | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | (169,602.13)            |
|           |             | <b>Subtotal South Seattle Gate Station</b>                      |                   |                  |                     | <b>-</b>                | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>         | <b>-</b>          | <b>-</b>          | <b>-</b>          | <b>-</b>                |
| 18237132  | 18237132    | North Tacoma Gate Station (Remediation Cost)                    | UG-920840         | Prior to 1998    |                     | 133,750.43              | -                | -                 | -                 | -                 | -                 | -                | -                 | -                 | -                | -                 | -                 | -                 | 133,750.43              |
|           | 18237132    | 2017 GRC transfer for amortization; based on 9/30/2016 balances | UG-170034         | Dec-17           |                     |                         |                  |                   |                   |                   |                   |                  |                   |                   |                  |                   |                   |                   |                         |

PUGET SOUND ENERGY  
 DEFERRED ENVIRONMENTAL REMEDIATION COST DEFERRED ACTIVITY FOR GAS  
 January 2018 - December 2018

| SAP Order | SAP Account | Site Description  | Order in Docket # | Year Established | Amotization Period | YTD<br>Cumulative Bal. Dec-17 | Q1 2018           |                   |                   | Q2 2018           |                   |                   | Q3 2018           |                    |                  | Q4 2018           |                   |                   | YTD<br>Cumulative Bal. Dec-18 |
|-----------|-------------|---|-------------------|------------------|--------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|------------------|-------------------|-------------------|-------------------|-------------------------------|
|           |             |   |                   |                  |                    |                               | Jan-18            | Feb-18            | Mar-18            | Apr-18            | May-18            | Jun-18            | Jul-18            | Aug-18             | Sep-18           | Oct-18            | Nov-18            | Dec-18            |                               |
|           | 18237142    | North Seattle Gate Station (Remediation Cost)                   | UG-920840         | Prior to 1998    |                    | 53,996.63                     | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                  | -                | -                 | -                 | -                 | 53,996.63                     |
|           | 18237142    | 2017 GRC transfer for amortization; based on 9/30/2016 balances | UG-170034         | Dec-17           | 5 years            | (53,996.63)                   | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                  | -                | -                 | -                 | -                 | (53,996.63)                   |
|           |             | <b>Subtotal North Seattle Gate Station</b>                      |                   |                  |                    | -                             | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                  | -                | -                 | -                 | -                 | -                             |
|           | 18237152    | Covington Gate Station (Remediation Cost)                       | UG-920840         | Prior to 1998    |                    | 67,987.45                     | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                  | -                | -                 | -                 | -                 | 67,987.45                     |
|           | 18237152    | 2017 GRC transfer for amortization; based on 9/30/2016 balances | UG-170034         | Dec-17           | 5 years            | (67,987.45)                   | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                  | -                | -                 | -                 | -                 | (67,987.45)                   |
|           |             | <b>Subtotal Covington Gate Station</b>                          |                   |                  |                    | -                             | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                  | -                | -                 | -                 | -                 | -                             |
|           | 18608062    | Unallocated Insurance and Third Parties Recoveries              | Multiple Dockets  | ---              | ---                | (50,287,724.64)               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | (14,497.28)        | -                | -                 | -                 | -                 | (50,282,221.92)               |
|           | 18608062    | Write-off internal costs per 2017 GRC settlement                | UG-170034         | ---              | ---                | (210,163.00)                  | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                  | -                | -                 | -                 | -                 | (210,163.00)                  |
|           | 18608062    | 2017 GRC transfer for amortization; based on 9/30/2016 balances | UG-170034         | Dec-17           | 5 years            | 29,176,116.00                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                  | -                | -                 | -                 | -                 | 29,176,116.00                 |
|           |             | <b>Subtotal Unallocated Gas Recoveries</b>                      |                   |                  |                    | <b>(21,301,771.64)</b>        | -                 | -                 | -                 | -                 | -                 | -                 | -                 | <b>(14,497.28)</b> | -                | -                 | -                 | -                 | <b>(21,316,268.92)</b>        |
|           |             | <b>Grand Total</b>  |                   |                  |                    | <b>(17,625,252.83)</b>        | <b>132,568.30</b> | <b>270,843.74</b> | <b>247,088.52</b> | <b>225,239.41</b> | <b>263,126.55</b> | <b>154,001.42</b> | <b>338,911.77</b> | <b>177,424.68</b>  | <b>48,652.21</b> | <b>190,867.74</b> | <b>368,954.02</b> | <b>584,927.06</b> | <b>(14,622,647.41)</b>        |

The following worksheets represent the amounts transferred to accounts for amortization consistent with Settlement Agreement paragraph 55 g

PUGET SOUND ENERGY  
TRANSFERS AND AMORTIZATION FOR ELECTRIC  
January 2018 - December 2018

| SAP Account/Order | Site Description  | Amortization Period Beg. | Cummulative Bal. Dec-17 | Jan-18              | Feb-18              | (Note 1)<br>3/1/2018 | Apr-18              | May-18              | Jun-18              | Jul-18              | Aug-18              | Sep-18              | Oct-18              | Nov-18              | Dec-18              | Cummulative Bal. Dec-18 |
|-------------------|---|--------------------------|-------------------------|---------------------|---------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------------|
| 18239171          | Env Rem Costs - Elec UE - 170033 (Transfer)                     | 12/19/2017               | 8,862,686.50            | -                   | -                   | 826,665.19           | -                   | -                   | -                   | -                   | -                   | -                   | -                   | -                   | -                   | 9,689,352               |
| 40730022          | Env Rem Costs - Elec UE - 170033 (Amortization Jan - Dec 2018)  | (for 60 months)          | (67,721.00)             | (161,489.20)        | (161,489.20)        | (161,489.20)         | (161,489.20)        | (161,489.20)        | (161,489.20)        | (161,489.20)        | (161,489.20)        | (161,489.20)        | (161,489.20)        | (161,489.20)        | (161,489.20)        | (2,005,591)             |
|                   | <b>Subtotal Env Rem Costs - Elec</b>                            |                          | <b>8,794,965.50</b>     | <b>(161,489.20)</b> | <b>(161,489.20)</b> | <b>665,175.99</b>    | <b>(161,489.20)</b> | <b>(161,489.20)</b> | <b>(161,489.20)</b> | <b>(161,489.20)</b> | <b>(161,489.20)</b> | <b>(161,489.20)</b> | <b>(161,489.20)</b> | <b>(161,489.20)</b> | <b>(161,489.20)</b> | <b>7,683,761.00</b>     |
| 18230431          | Env Rem Recovery - Elec UE 170033 (Transfer)                    | 12/19/2017               | (1,743,762.00)          | -                   | -                   | (826,665.19)         | -                   | -                   | -                   | -                   | -                   | -                   | -                   | -                   | -                   | (2,570,427.19)          |
| 40730023          | Env Rem Recovery - Elec UE 170033 (Amortization Jan - Dec 2018) | (for 60 months)          | 17,965.35               | 42,840.45           | 42,840.45           | 42,840.45            | 42,840.45           | 42,840.45           | 42,840.45           | 42,840.45           | 42,840.45           | 42,840.45           | 42,840.45           | 42,840.45           | 42,840.45           | 532,050.75              |
|                   | <b>Subtotal Amortization Accounts</b>                           |                          | <b>(1,725,796.65)</b>   | <b>42,840.45</b>    | <b>42,840.45</b>    | <b>(783,824.74)</b>  | <b>42,840.45</b>    | <b>42,840.45</b>    | <b>42,840.45</b>    | <b>42,840.45</b>    | <b>42,840.45</b>    | <b>42,840.45</b>    | <b>42,840.45</b>    | <b>42,840.45</b>    | <b>42,840.45</b>    | <b>(2,038,376.44)</b>   |
|                   | <b>Grand Total</b>  |                          | <b>7,069,168.85</b>     | <b>(118,648.75)</b> | <b>(118,648.75)</b> | <b>(118,648.75)</b>  | <b>(118,648.75)</b> | <b>(118,648.75)</b> | <b>(118,648.75)</b> | <b>(118,648.75)</b> | <b>(118,648.75)</b> | <b>(118,648.75)</b> | <b>(118,648.75)</b> | <b>(118,648.75)</b> | <b>(118,648.75)</b> | <b>5,645,384.56</b>     |

(Note 1) see page 11 of last year's report for discussion of the reclassification.

PUGET SOUND ENERGY  
TRANSFERS AND AMORTIZATION FOR GAS  
**January 2018 - December 2018**

| SAP Account/Order | Site Description   | Amortization Period Beg. | Cummulative Bal. Dec-17 | Jan-18                | Feb-18                | Mar-18                | Apr-18                | May-18                | Jun-18                | Jul-18                | Aug-18                | Sep-18                | Oct-18                | Nov-18                | Dec-18                | Cummulative Bal. Dec-18 |
|-------------------|--|--------------------------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| 18239042          | Env Rem Costs - Gas UG - 170034 (Transfer)                       | 12/19/2017               | 72,192,483.00           | -                     | -                     | -                     | -                     | -                     | -                     | -                     | -                     | -                     | -                     | -                     | -                     | 72,192,483.00           |
| 40730302          | Env Rem Costs - Gas UG - 170034 (Amortization Jan - Dec 2018)    | (for 60 months)          | (504,571.00)            | (1,203,208.06)        | (1,203,208.06)        | (1,203,208.06)        | (1,203,208.06)        | (1,203,208.06)        | (1,203,208.06)        | (1,203,208.06)        | (1,203,208.06)        | (1,203,208.06)        | (1,203,208.06)        | (1,203,208.06)        | (1,203,208.06)        | (14,943,067.72)         |
|                   | <b>Subtotal Env Rem Costs - Gas</b>                              |                          | <b>71,687,912.00</b>    | <b>(1,203,208.06)</b> | <b>(1,203,208.06)</b> | <b>(1,203,208.06)</b> | <b>(1,203,208.06)</b> | <b>(1,203,208.06)</b> | <b>(1,203,208.06)</b> | <b>(1,203,208.06)</b> | <b>(1,203,208.06)</b> | <b>(1,203,208.06)</b> | <b>(1,203,208.06)</b> | <b>(1,203,208.06)</b> | <b>(1,203,208.06)</b> | <b>57,249,415.28</b>    |
| 18230312          | Env Rem Recovery - Gas UE 170034 (Transfer)                      | 12/19/2017               | (29,176,116.00)         | -                     | -                     | -                     | -                     | -                     | -                     | -                     | -                     | -                     | -                     | -                     | -                     | (29,176,116.00)         |
| 40730303          | Env Rem Recovery - Gas UG - 170034 (Amortization Jan - Dec 2018) | (for 60 months)          | 203,919.09              | 486,268.60            | 486,268.60            | 486,268.60            | 486,268.60            | 486,268.60            | 486,268.60            | 486,268.60            | 486,268.60            | 486,268.60            | 486,268.60            | 486,268.60            | 486,268.60            | 6,039,142.29            |
|                   | <b>Subtotal Env Rem Recovery - Gas</b>                           |                          | <b>(28,972,196.91)</b>  | <b>486,268.60</b>     | <b>486,268.60</b>     | <b>486,268.60</b>     | <b>486,268.60</b>     | <b>486,268.60</b>     | <b>486,268.60</b>     | <b>486,268.60</b>     | <b>486,268.60</b>     | <b>486,268.60</b>     | <b>486,268.60</b>     | <b>486,268.60</b>     | <b>486,268.60</b>     | <b>(23,136,973.71)</b>  |
|                   | <b>Grand Total</b>   |                          | <b>42,715,715.09</b>    | <b>(716,939.46)</b>   | <b>(716,939.46)</b>   | <b>(716,939.46)</b>   | <b>(716,939.46)</b>   | <b>(716,939.46)</b>   | <b>(716,939.46)</b>   | <b>(716,939.46)</b>   | <b>(716,939.46)</b>   | <b>(716,939.46)</b>   | <b>(716,939.46)</b>   | <b>(716,939.46)</b>   | <b>(716,939.46)</b>   | <b>34,112,441.57</b>    |

The following page represents the most current future costs estimates for PSE's Environmental Remediation Sites



|    | A   | B              | C           | D                          |
|----|---|----------------|-------------|----------------------------|
| 1  | <b>MID-RANGE Q4 2018 FUTURE COST ESTIMATE</b> |                |             |                            |
| 2  |   |                |             |                            |
| 3  | Site Description                              |                |             | Mid Range Q4 2018 Estimate |
| 4  | 22nd and A street MGP                         |                |             |                            |
| 5  | Tacoma Gas Site                               |                |             |                            |
| 6  |   | Gas Plant site |             |                            |
| 7  |   | 3 tank area    |             |                            |
| 8  |   | Total          | <b>GAS</b>  | \$ 1,893,675               |
| 9  |   |                |             |                            |
| 10 | Everett MGP                                   |                | <b>GAS</b>  | \$ 3,112,500               |
| 11 |   |                |             |                            |
| 12 |   |                |             |                            |
| 13 | Thea Foss Waterway                            |                | <b>GAS</b>  | \$ 691,500                 |
| 14 |   |                |             |                            |
| 15 | Olympia Columbia MGP                          |                | <b>GAS</b>  | \$ 1,249,725               |
| 16 |   |                |             |                            |
| 17 | Bellingham SSS MGP                            |                | <b>ELEC</b> | \$ 7,706,250               |
| 18 |   |                |             |                            |
| 19 | The following sites are PSE only costs        |                |             |                            |
| 20 |   |                |             |                            |
| 21 | Tacoma Tar Pits MGP                           |                | <b>GAS</b>  | \$ 8,300,000               |
| 22 |   |                |             |                            |
| 23 | Gas Works Park MGP *                          |                | <b>GAS</b>  | \$ 30,000,000              |
| 24 |   |                |             |                            |
| 25 | Quendall Terminals                            |                | <b>GAS</b>  | \$ 1,270,000               |
| 26 |   |                |             |                            |
| 27 | Bay Station MGP & Adjacent Property           |                | <b>GAS</b>  | \$ 4,940,000               |
| 28 |   |                |             |                            |
| 29 | Verbeek                                       |                | <b>GAS</b>  | \$ 215,000                 |
| 30 |   |                |             |                            |
| 31 | Downtowner                                    |                | <b>GAS</b>  | \$ 200,000                 |
| 32 |   |                |             |                            |
| 33 | Chehalis MGP                                  |                | <b>GAS</b>  | \$ 339,000                 |
| 34 |   |                |             |                            |
| 35 | Swarr Station                                 |                | <b>GAS</b>  | \$ 186,500                 |
| 36 |   |                |             |                            |
| 37 | Talbot  |                | <b>ELEC</b> | \$ 186,500                 |
| 38 |   |                |             |                            |
| 39 | Puyallup                                      |                | <b>ELEC</b> | \$ 733,000                 |
| 40 |   |                |             |                            |
| 41 | Crystal Mountain                              |                | <b>ELEC</b> | \$ 1,089,500               |
| 42 |   |                |             |                            |
| 43 | Sammamish                                     |                | <b>ELEC</b> | \$ 66,500                  |
| 44 |   |                |             |                            |
| 45 | Lower Baker                                   |                | <b>ELEC</b> | \$ 3,550,000               |
| 46 |   |                |             |                            |
| 47 | Snoqualmie                                    |                | <b>ELEC</b> | \$ 160,000                 |

|    | A   | B     | C    | D                          |
|----|---|-------|------|----------------------------|
| 1  | <b>MID-RANGE Q4 2018 FUTURE COST ESTIMATE</b>                         |       |      |                            |
| 2  |   |       |      |                            |
| 3  | Site Description  |       |      | Mid Range Q4 2018 Estimate |
| 48 |   |       |      |                            |
| 49 | Whidbey   |       | ELEC | \$ 40,000                  |
| 50 |   |       |      |                            |
| 51 | North Operating   |       | GAS  | \$ 133,500                 |
| 52 |   |       |      |                            |
| 53 | Olympia Service Center  |       | ELEC | \$ 243,500                 |
| 54 |   |       |      |                            |
| 55 | Poulsbo   |       | ELEC | \$ 26,500                  |
| 56 |   |       |      |                            |
| 57 | Electron  |       | ELEC | \$ 533,500                 |
| 58 |   |       |      |                            |
| 59 | Whitehorn   |       | ELEC | \$ 128,000                 |
| 60 |   |       |      |                            |
| 61 | Central Waterfront  | (NEW) | ELEC | \$ 70,000                  |
| 62 |   |       |      |                            |
| 63 | White River (Buckley Debris)  |       | ELEC | \$ 775,000                 |
| 64 |   |       |      |                            |
| 65 | Duwamish  |       | ELEC | \$ 205,000                 |
| 66 |   |       |      |                            |
| 67 | Shuffleton Facility   | (NEW) | ELEC | \$ 342,500                 |
| 68 | <b>Total</b>  |       |      | <b>\$ 68,387,150</b>       |
| 69 | * Gas Works Park estimate by GeoEngineers accounts for the allocation |       |      |                            |