#### Dockets UE-240004 & UG-240005 Puget Sound Energy 2024 General Rate Case

#### **AWEC DATA REQUEST NO. 063:**

**RE: Cost of Service** 

For each Schedule 87 or 87T customer, please provide a scaled diagram of all 4 inch or larger pipe connected to the customer to a citygate. Please identify the pipe size and material. Please include any lateral pipes that do not directly serve the customer. Please provide each data using customer numbers that are consistent with PSE's response to Nucor Data Request 008.

#### First Revised Response:

Puget Sound Energy ("PSE") determined it was necessary to revise its Response to AWEC Data Request No. 063 after review of its initial response. The revision was necessary due to some diagrams not including customer numbers consistent with PSE's Response to Nucor Data Request No. 08 and some diagrams not including piping all the way to city gates.

PSE objects to AWEC Data Request No. 063 as overbroad and unduly burdensome as it requests PSE to provide scaled diagrams for all Schedule 87 or 87T customers that include four-inch or larger pipe connected to the customer to a city gate, pipe size, material, and any lateral pipes that do not directly serve the customer. Notwithstanding these objections, and subject thereto, PSE responds as follows:

Please see Attachments A through J for updated scaled diagrams produced from PSE's geospatial information system based on readily available mapping layers that illustrate the piping network in the vicinity of the customer location and nearest gate or town border station and identify pipe that is four inches or larger in diameter and reference customer numbers consistent with PSE's Response to Nucor Data Request No. 008.

Attachment	Customer Number
Attachment A	Customer 1
Attachment B	Customer 2
Attachment C	Customer 3

PSE's First Revised Response to AWEC Data Request No. 063

Date of Response: September 20, 2024

Person who Prepared the Response: Corey Corbett

Witness Knowledgeable About the Response: David J. Landers

Attachment D	Customer 4
Attachment E	Customer 5
Attachment F	Customer 6
Attachment G	Customer 7
Attachment H	Customer 8
Attachment I	Customer 9
Attachment J	Customer 10, 11, 12, 13, & 14

Shaded information is designated as CONFIDENTIAL per Protective Order in Dockets UE-240004 and UG-240005 as marked in PSE's First Revised Response to AWEC Data Request No. 063 Attachments A – J

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			<i>,</i> ,

Shaded Information is Designated as Confidential per Protective Order in Dockets UE-240004 and UG-240005 Page 6 of 53

Shaded Information is Designated as Confidential per Protective Order in Dockets UE-240004 and UG-240005	Page 9 of 53

Shaded Informa	ation is Designated :	<u>as Confidential per P</u>	rotective Order in Doc	kets UE-240004 and UG-24	10005 Pag	e 11 of 53

# Puget Sound Energy 2024 General Rate Case

#### **AWEC DATA REQUEST NO. 071:**

**RE: Cost of Service Study** 

Please refer to Exhibit JDT-8T at 7:7-13 and 9:21-22. Given PSE's conclusion that direct allocation of mains serving Schedule 87 and 87T is not permissible under WAC Chapter 480-85, why does PSE find direct assignment permissible for Schedule 88T but not Schedules 87 or 87T?

#### Response:

Puget Sound Energy ("PSE") objects to AWEC Data Request No. 071 as it mischaracterizes the testimony of John D. Taylor. Exhibit JDT-8T at 7:7-13 discusses Washington Administrative Code ("WAC") rules concerning the exclusion of some customer classes from the allocation of smaller diameter mains, but it does not address direct allocation of mains serving Schedule 87 and 87T. Furthermore, Exhibit JDT-8T at 9:21-22 addresses the direct assignment of mains costs to Schedule 87 and Schedule 87T, noting that AWEC witness Kaufman's analysis may initially seem reasonable but requires further review of the system layout and load flow data prior to making a definitive conclusion. It does not conclude that direct allocation of mains to Schedule 87 and 87T is impermissible under WAC Chapter 480-85. Therefore, the question regarding why PSE finds direct assignment permissible for Schedule 88T but not for Schedules 87 or 87T is not aligned with PSE's stated position.

Notwithstanding this objection, and subject thereto, PSE responds as follows:

PSE finds direct assignment permissible for Schedule 88T because this customer is served by dedicated infrastructure. The related costs can be easily identified and directly assigned, which complies with WAC 480-85-060, allowing direct assignment where a customer is served by specific dedicated facilities.

PSE's Response to AWEC Data Request No. 071

Date of Response: October 18, 2024

Person who Prepared the Response: John Taylor / Chris Mickelson / Paul Schmidt

Witness Knowledgeable About the Response: John D. Taylor

## Puget Sound Energy 2024 General Rate Case

#### **AWEC DATA REQUEST NO. 072:**

**RE: Cost of Service Study** 

Please refer to Exhibit JDT-8T at 10:2-4:

- a. Please define "looped pipelines."
- b. Please provide a diagram of all looped pipelines that have the ability to serve Schedules 87, 87T, and 88T customers. Please provide such data separately by customer.
- c. Please provide the length and pipe diameter of all looped pipelines that have the ability to serve Schedule 87, 87T, and 88T customers.

Does PSE's direct assignment of distribution mains to Schedule 88T include all looped pipelines that may have the ability to serve Schedule 88T customers? If yes, please identify where these pipelines appear in the calculation of the directly assigned mains for Schedule 88T. If no, why not?

#### Response:

- a) Looped pipelines in Local Gas Distribution Utilities refers to a configuration where multiple parallel pipelines are arranged in a manner that allows gas to flow in multiple directions, thus the reference to a loop. This arrangement enhances the reliability and flexibility of the gas distribution network by providing alternative pathways for gas flow. If one section of the pipeline needs maintenance or experiences a failure, the gas can still be delivered through another route within the loop. Looped systems are typically developed over time in response to the needs of multiple customers and their impact on the pipeline system. While desirable, looped pipelines are not always feasible or necessary. However, where looped pipelines exist, they provide a high level of reliability and flexibility, ensuring gas delivery continuity even if one segment of the pipeline requires maintenance or experiences an outage.
- b) As described in response to AWEC Data Request 72(a), looped pipelines is a term used to indicate a pipeline system configuration that provides reliability and

flexibility and not as a term for a specific designated length of pipe as it is a system attribute. With that said, Puget Sound Energy (PSE) has not specifically analyzed which looped pipelines have the ability to serve Schedule 87, 87T, and 88T customers. However, the pipeline diagrams included in attachments 2 through 11 provided in response to AWEC Data Request 73 show that the Schedule 87T customers are integrated within PSE's broader distribution system. Please refer to PSE's response to AWEC's DR 71.

- c) Objection: PSE objects to AWEC's Data Request 72(c) as overly broad, unduly burdensome and expensive, and not reasonably calculated to lead to discovery of admissible evidence. The request seeks information that would require PSE to perform load flow studies which involve complex calculations and extensive modeling, that would require at minimum, multiple weeks to complete. The complexity of the analysis is due to several factors, including, but not limited to:
  - Customer usage patterns, which can vary significantly depending on the time of day, day of the week, and season;
  - Temperature fluctuations, which can impact the flow of gas through the system;
  - Holiday and non-holiday usage patterns, which can also impact demand;
  - Summer and winter usage patterns, which can vary significantly due to changes in temperature and customer behavior;
  - Adjustments made to ensure the performance of all gate stations, which can impact the flow of gas through the system;
  - Planned outages due to construction and third-party damage, which can also impact the flow of gas through the system;
  - Some Schedule 87 and 87T customers are located far from upstream pipeline gate stations, which means that natural gas is likely to flow through multiple pipes to reach these customers, rather than a single path which adds to the complexity of this request, as the usage on each individual pipe would need to be analyzed.

Moreover, according to WAC 480-85-060, which governs the allocation of distribution mains, distribution mains are to be directly assigned to a single customer class "where practical."

d) The direct assignment of mains for Schedule 88T is based on specific dedicated facilities. The Four-Mile 16-inch segment, litigated in Docket UG-230393, is an example of this, and the costs associated with this segment are currently recovered through Schedule 141D Distribution Pipeline Provisional Recovery Adjustment.

#### Dockets UE-240004 & UG-240005 Puget Sound Energy 2024 General Rate Case

#### **AWEC DATA REQUEST NO. 073:**

REQUESTED BY:

**RE: Cost of Service Study** 

Please refer to Exhibit JDT-8T at 10:7-12.

- a. Please confirm that the referenced customer maps are the maps provided by the Company in response to AWEC Data Request 63, which requests "a scaled diagram of all 4 inch or larger pipe connected to the customer to a citygate."
- b. Please explain the difference between a citygate and a gate station or border station.
- c. Please provide a customer map for each Schedule 87, 87T, and 88T customer that include a gate station or boarder station.

Please provide the length of pipe, by pipe diameter and material, for the direct path between the customers and gate station or border station in the diagrams provided in response to part d of this request.

#### Response:

- a) Yes, the referenced customer maps provided in response to AWEC Data Request 63 include scaled diagrams showing pipes 4 inches or larger connected to the customer's citygate.
- b) Puget Sound Energy (PSE) uses the terms border station and gate station to refer to stations that are connected to the interstate pipeline, NW Pipeline. As explained in Witness Taylor's rebuttal testimony, Exh. JDT-8T at 11:14-18, PSE uses the terms as described below.

Town Border Station – Transfer of custody point from NW Pipeline lateral but different from Gate Station in the sense that metering takes place upstream of this type of station.

Gate Station – Transfer of custody point from NW Pipeline where metering also occurs.

AWEC used the term citygate in its data request No. 063. PSE understood AWEC to be referring to a location where the distribution system connects to an interstate pipeline.

- c) For Schedule 87 and 87T customers, please refer to PSE's revised response to AWEC data request No. 063 submitted on September 20, 2024, which includes Town Border Station and Gate Station for each customer map. For the Schedule 88T customer, please refer to PSE's response to AWEC data request No. 062 for the customers' map that includes a gate station.
- d) For support of the figures presented in Exhibit JDT-14C please see confidential Attachment A to AWEC Data Request 073 in an excel file titled "240004-05 PSE Resp AWEC DR 073\_Attach A (C).xlsx" for the summary of the maps analysis. Each line diagram with the measurements are provided in Attachment 2 through Attachment 11 to AWEC DR 73. As noted in Exhibit JDT-8T a more comprehensive analysis is required to determine the 'material' as requested in this data request.

# Puget Sound Energy 2024 General Rate Case PSE's Response to AWEC Data Request No. 073 Calculation of Distribution Main Replacement Costs serving 87/87T

	D	istribution Mains in I	Feet	
Customer #	4"	6"		8"
1	12,279	-		2,379
2	3,486	-		32,222
4	-	-		55,303
5	-	-		8,644
7	1,495	1,262		514
6	-	-		8,738
8	18,057	-		-
3	-	-		-
9	-	31,185		5,012
10-14	-	20,975		6,096
Total Feet _	35,317	53,421		118,907
Cost per Foot	\$ 106	\$ 178	\$	364
4" - 8" Replacement Cost	\$ 3,743,584	\$ 9,509,016	\$	43,282,282
Total 4" - 8" Replacement Cost			\$	56,534,881
12" - 20" Replacement Cost			\$	27,441,911
Total Replacement Cost			\$	83,976,792
AWEC Calculated Replacement Cost			\$	43,107,733
Difference			\$	40,869,059

# Puget Sound Energy 2024 General Rate Case PSE's Response to AWEC Data Request No. 073 Calculation of Distribution Main Replacement Costs serving 87/87T

0

Ft per Mile 5280

- 0	8" 2 12 12 2 0 2	3.8 2.0 1.2 1.3 1.1 1.1 1.7 0.6	4** 2 1 0 - 3	6"	8" 0 6 10 2 0 2	4" 12,279 3,486 - 1,495 - 18,057	6" - - - - 1,262	8" 2,33 32,22 55,30 8,64 57
0	12 12 2 0	2.0 1.2 1.3 1.1 1.1	1 - - 0	0	10 2 0 2	3,486 - - 1,495 -	- - - 1,262	32,22 55,30 8,64 5 8,73
0	12 2 0	1.2 1.3 1.1 1.1 1.7	0	0	10 2 0 2	- - 1,495 -	- - 1,262	55,30 8,64 5 8,73
	2	1.3 1.1 1.1 1.7	0	0	2 0 2	1,495 -	1,262	8,6 5 8,7
	0	1.1 1.1 1.7	0	0	0 2	1,495	1,262	5 8,7
		1.1 1.7	-	-	2	-		8,7
	2	1.7			-		-	
			3	-	-	18 057		
		0.6					-	-
		0.0	-	-	-		-	-
5	1	1	-	6	1	-	31,185	5,0
3	1	1	-	4	1		20,975	6,0
		1	-	-	-	-	-	
8	32					35,317	53,421	118,9
					Cost \$	3,743,584 \$	9,509,016 \$	43,282,2
				Total C	osts for 12 - 20"		s	27,441,9
			1	1 -	8 32	8 32	1	8 32 35,317 53,421 Cost \$ 3,743,584 \$ 9,509,016 \$

Size	Replacement Cost per Foot	
4	\$	106
6	\$	178
8	\$	364
12	\$	558
16	\$	742
20	\$	614

# Puget Sound Energy 2024 General Rate Case

#### **AWEC DATA REQUEST NO. 075:**

REQUESTED BY:

**RE: Cost of Service Study** 

Please refer to Exhibit JDT-8T at 12:3-23.

- a. Please confirm that a portion of the pipe directly assigned to Schedules 87 and 87T in Exhibit JDT-14 also serve other schedules. If not confirmed, why not?
- b. Please provide the analysis described in this referenced testimony and in Exhibit JDT-14 for Schedule 88T customers.
- c. If PSE declines to provide such analysis, please explain why PSE has not performed such analysis for Schedule 88T.

#### Response:

Puget Sound Energy ("PSE") objects to AWEC Data Request No. 075 to the extent it requests information that is publicly available or obtainable from some other source that is more convenient, less burdensome, or less expensive. Notwithstanding these objections, PSE responds as follows:

- a. Yes. The values associated with mains in Exhibit JDT-14 include mains that also serve customers on other rate schedules.
- b. Puget Sound Energy (PSE) objects to this request as it is not reasonably calculated to lead to the discovery of admissible information since the referenced testimony does not refer to Schedule 88T. Subject to and without waiving its objection, PSE responds as follows: For Schedule 88T, the direct assignment of infrastructure is based on specific dedicated facilities, as described in Exhibit JDT-8T at pages 14 and 15. In addition, the Four-Mile 16-inch segment, currently recovered under Schedule 141D Distribution Pipeline Provisional Recovery Adjustment, was litigated in Docket UG-230393, and a similar analysis for Schedule 88T was not required.

c. As noted in part b, the costs assigned to Schedule 88T were analyzed differently due to its unique service arrangement that relies on dedicated infrastructure.

#### Dockets UE-240004 & UG-240005 Puget Sound Energy 2024 General Rate Case

#### **AWEC DATA REQUEST NO. 076**

#### "CONFIDENTIAL" Table of Contents

	"CONFIDENTIAL" Material
Data Request No. 076	Shaded information is designated as CONFIDENTIAL per Protective Order in Dockets UE-240004 and UG-240005 as marked in Puget Sound Energy's Response to AWEC Data Request No. 076 Attachments A-I

#### Dockets UE-240004 & UG-240005 Puget Sound Energy 2024 General Rate Case

#### **AWEC DATA REQUEST NO. 076:**

**RE: Cost of Service Study** 

Please refer to the revised responses to AWEC Data Request 63.

- a. In these diagrams, does large diameter pipe overlay or obscure smaller diameter pipe?
- b. If the response to part a is yes, please provide these diagrams with 12-inch and larger pipe excluded from the diagram.
- c. Please provide a pressure map for each area in the referenced diagrams using under-design day peak loads. Please use assumptions and models from PSE's 2023 Gas IRP, or more recent assumptions and models if available.
- d. Please identify the path that PSE used in these figures when calculating lengths for Exh. JDT-14.

#### Response:

- a. Yes, larger diameter pipeline overlay or obscure smaller diameter pipeline.
- b. See Attachments A through I to Puget Sound Energy's ("PSE") Response to AWEC Data Request No. 076 that removes 12-inch and greater diameter pipeline from the overlay. However, you still can have larger diameter pipeline overlay or obscure smaller diameter pipeline, such as 6-inch or 8-inch obscuring 4-inch. Please note that the customer 1 diagram isn't included since the diagram for this customer provided in PSE's Revised Response to AWEC Data Request No. 063 didn't include any pipe larger than 8-inch.
- c. Please see PSE's Response to AWEC Data Request No. 072 part c regarding the complexity of providing a pressure map for each area under design day peak loads and what is required.

PSE's Response to AWEC Data Request No. 076

Date of Response: October 18, 2024

Person who Prepared the Response: Corey Corbett / Chris Mickelson / Paul Schmidt

Witness Knowledgeable About the Response: John D. Taylor

d. Please see PSE's Response to AWEC Data Request No. 073 part d.

Shaded information is designated as CONFIDENTIAL per Protective Order in Dockets UE-240004 and UG-240005 as marked in PSE's Response to AWEC Data Request No. 076 Attachments A − I.

# ATTACHMENTS A-I to PSE's Response to AWEC Data Request No. 076

Shaded Information is Designated as CONFIDENTIAL per Protective Order in Dockets UE-240004 and UG-24005

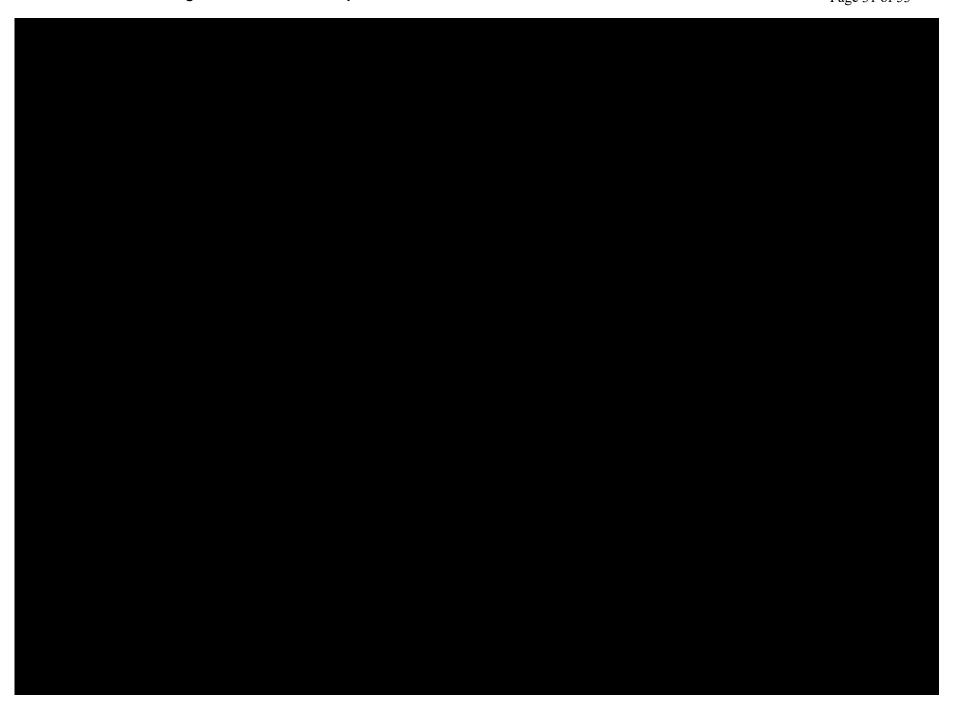
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#### Dockets UE-240004 & UG-240005 **Puget Sound Energy** 2024 General Rate Case

#### **AWEC DATA REQUEST NO. 078:**

**RE: Cost of Service Study** 

Please refer to 240004-05 PSE Resp AWEC DR 063 Attach B Rev 01 (C).pdf, 240004-05 PSE Resp AWEC DR 063 Attach D Rev 01 (C).pdf, and Exhibit JDT-14:

- a. Does PSE's estimate of Customer 2 and 4 in Exhibit JDT-14 include pipe that serves both Customers?
- b. If yes, for the shared pipe, does PSE count each foot of pipe twice in Exhibit JDT-14, or does PSE allocate the pipe between each customer?

#### Response:

Puget Sound Energy ("PSE") objects to AWEC Data Request No. 078 to the extent it requests information that is publicly available or obtainable from some other source that is more convenient, less burdensome, or less expensive. Notwithstanding these objections, and subject thereto, PSE responds as follows:

- a. Please see PSE's Response to AWEC Data Request No. 073 part d.
- b. Please see PSE's Response to AWEC Data Request No. 073 part d.

PSE's Response to AWEC Data Request No. 078

Date of Response: October 18, 2024

Person who Prepared the Response: Corey Corbett / John Taylor / Chris Mickelson / Paul Schmidt

Witness Knowledgeable About the Response: John D. Taylor

## Puget Sound Energy 2024 General Rate Case

#### **AWEC DATA REQUEST NO. 080:**

**RE: Cost of Service Study** 

Please refer to 240004-05 PSE Resp AWEC DR 062\_Attach A (C).pdf:

- a. Is the 8-inch pipe connecting the Golden Givens Limiting Station and the PLNG plant included in the direct assignment of mains to PLNG? If no, why not? If yes, please indicate where this pipe is included in PSE's workpapers.
- b. Is the 16-inch pipe connecting the southern terminus of Upgrade 1 to the North Tacoma Gate Station included in the direct assignment of mains to PLNG? If no, why not? If yes, please indicate where this pipe is included in PSE's workpapers.
- c. Is the 20-inch pipe connecting the southern terminus of Upgrade 1 to the North Tacoma Gate Station included in the direct assignment of mains to PLNG? If no, why not? If yes, please indicate where this pipe is included in PSE's workpapers.
- d. Is the 8-inch pipe connecting the Upgrade 1 to the 12-inch pipe located in the north east quadrant of the diagram included in the direct assignment of mains to PLNG? If no, why not? If yes, please indicate where this pipe is included in PSE's workpapers.
- e. Is the 12-inch pipe in the northeast quadrant of the diagram included in the direct assignment of mains to PLNG? If no, why not? If yes, please indicate where this pipe is included in PSE's workpapers.
- f. Please refer to Exhibit JDT-8T at 11:6-13. Please confirm that the Golden Givens Limit Station does not connect to NW Pipeline. If confirmed, please provide a diagram of the pipe connecting the Golden Givens Limit Station to the NW Pipeline in a similar format as 240004-05 PSE Resp AWEC DR 062\_Attach A (C).pdf.
- g. If part f above is confirmed, is the cost of the pipe connecting the Golden Givens Limit Station to the NW Pipeline included in the direct assignment of mains to PLNG? If no, why not? If yes, please indicate where this pipe is included in PSE's workpapers.

h. Please provide the replacement cost for the pipe identified in parts a through g above.

#### Response:

PSE objects to AWEC data request No. 080 to the extent it refers to direct assignment to "PLNG" and the "PLNG Facility." Subject to and without waiving its objection, PSE responds as follows: As appropriate, PSE has used the correct terminology in the responses below.

- a. No, the 8-inch pipe connecting the Golden Givens Limiting Station and the Tacoma LNG plant is not included in the direct assignment of mains to Schedule 88T. This is because the direct assignment of mains to Schedule 88T and the Special Contract class is based on the use of mains during peak demand periods. Since Schedule 88T does not have peak demand requirements, and is a fully interruptible schedule, plus during peak events it would supply gas from the Tacoma LNG facility, unlike other customers who would be pulling gas from the system; thus, no portion of the pipe's peak capacity is allocated to Schedule 88T.
- b. Similarly to the response above in part a, the 16-inch pipe connecting the southern terminus of Upgrade 1 to the North Tacoma Gate Station is not assigned to Schedule 88T, as this pipe is part of the broader distribution system that serves multiple customers.
- c. The 20-inch pipe from the southern terminus of Upgrade 1 to the North Tacoma Gate Station is not directly assigned to Schedule 88T for the same reason as in parts a and b—Schedule 88T's lack of peak demand requirements excludes it from these allocations.
- d. No, the 8-inch pipe in the northeast quadrant is not directly assigned to Schedule 88T for the same reasons outlined above.
- e. No, the 12-inch pipe in the northeast quadrant is not directly assigned to Schedule 88T for the same reasons outlined above.
- f. The Golden Givens Limit Station does not directly connect to NW Pipeline. Please see Figure 1 on page 6 of the Direct Testimony of PSE's witness Duane A. Henderson, Exhibit DAH-1T in PSE's 2019 general rate case in Dockets UE-190259 and UG-190530 for a detailed distribution system diagram near the Golden Givens Limit Station which includes the pipe connecting it to NW Pipeline.
- g. No, the pipe connecting the Golden Givens Limit Station to the NW Pipeline is not directly assigned to Schedule 88T for the same reasons outlined above.

h. See Attachment A for the replacement cost of the pipe identified in parts a through g above.

# ATTACHMENT A to PSE's Response to AWEC Data Request No. 080

		Nominal		Internal									
	Date Installed Status	Diameter Material	Pressure	Coating	Install Method	Pse Job Num	STLength()		SingleFeed	Unit		2023	
237069664	1956-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	56-124		5286.740413		\$			3,920,972
237087951	1956-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	56124	2550 00050	5155.958184		\$			3,823,975
179256425 237090249	2008-01-01 12:00:00 Existing 1956-01-01 12:00:00 Existing	16 STW 16 STW	HP HP	Bare Bare	Direct Bury Direct Bury	109031025 56-124	2658.88068	2658.88068 2359.433557		\$			1,971,989 1,749,901
179260146	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	1515.374831	1515.374826		Ś			1,123,895
179260889	2000-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109003743	1501.921871	1501.921852		\$			1,113,918
179257594	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	1344.067012	1344.066999		\$		\$	996,843
179259429	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	1284.745043	1284.745077		\$		\$	952,846
237466923 179278388	1957-01-01 12:00:00 Existing 2008-01-01 12:00:00 Existing	16 STW 16 STW	HP HP	Bare Bare	Direct Bury Direct Bury	56-124 109031025	1257.420497	1259.164209 1257.420517		\$		\$	933,874 932,580
179263015	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	1243.920294	1243.920262		Ś		\$	922,568
237080889	1956-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	56-124		1081.233531		\$		\$	801,909
179266420	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	1051.057047	1051.057064		\$		\$	779,529
179263746	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	952.9936386	952.9936577		\$		\$	706,799
179284108	2008-01-01 12:00:00 Existing	16 STW 16 STW	HP HP	Bare	Direct Bury	109031025	949.4928958	949.4929313		\$		\$	704,202
179267620 179262956	2008-01-01 12:00:00 Existing 2008-01-01 12:00:00 Existing	16 STW 16 STW	HP HP	Bare Bare	Direct Bury Direct Bury	109031025 109031025	906.9484809 866.1746627	906.9484769 866.1746371		\$ \$		\$	672,649 642,408
179281498	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	830.3252833	830.325249		Ś		\$	615,820
237468450	1957-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	56-124		819.9063973		\$		\$	608,093
179280536	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	764.5090883	764.5090836		\$	741.66	\$	567,007
179284028	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	721.0490471	721.0489924		\$		\$	534,774
179277483	2008-01-01 12:00:00 Existing	16 STW 16 STW	HP HP	Bare Bare	Direct Bury	109031025	700.6877987	700.6877569		\$		\$	519,673
179258832 179263286	2008-01-01 12:00:00 Existing 2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury Direct Bury	109031025 109031025	681.8887628 673.5447589	681.8887719 673.5447387		ş S		\$	505,731 499,542
237081631	1956-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	56-124	073.3447303	673.2279772		Ś		Ś	499.307
237453969	1956-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	56-124		630.9273086		\$		\$	467,934
237459846	1962-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	MC62256		623.4296686		\$		\$	462,374
179273020	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	621.9422661	621.9422734		\$		\$	461,271
237461756	1930-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	305369	550 54 40770	580.0280508		\$		\$	430,184
179265143 179266213	2008-01-01 12:00:00 Existing 2008-01-01 12:00:00 Existing	16 STW 16 STW	HP HP	Bare Bare	Direct Bury Direct Bury	109031025 109031025	553.6140773 508.285606	553.6140937 508.285643		\$		\$	410,594 376,976
237083144	1956-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	56-124	300.203000	484.1852409		Ś		\$	359,102
179267131	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	445.2809424	445.2809634		\$		\$	330,248
179267056	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	430.1536562	430.1536835		\$	741.66	\$	319,028
179282654	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	429.2372499	429.2372344		\$		\$	318,349
179280002	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	428.9148083	428.914821		\$		\$	318,110
179259159 179256549	2008-01-01 12:00:00 Existing 2008-01-01 12:00:00 Existing	16 STW 16 STW	HP HP	Bare Bare	Direct Bury Direct Bury	109031025 109031025	410.5587683 390.4612654	410.5587495 390.4612507		\$		\$	304,496 289.590
179269630	2000-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109003743	384.4983097	384.4983466		Ś		Ś	285,350
179284299	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	373.7077211	373.7077702		Ś		\$	277,165
179272798	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	320.5757392	320.5757065		\$		\$	237,759
179271982	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	288.767497	288.7674999		\$	741.66	\$	214,168
179284406	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	240.6756145	240.6756008		\$		\$	178,500
179259585	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	229.6386189	229.6386347		\$		\$	170,314
179276199 237453218	2008-01-01 12:00:00 Existing 2011-01-01 12:00:00 Existing	16 STW 16 STW	HP HP	Bare Bare	Direct Bury Direct Bury	109031025 109054961	217.676682	217.676702 202.6588669		\$ \$		\$ \$	161,442 150,304
237447288	1962-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	MC62256		193.1363279		Ś		\$	143,242
179271665	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	189.5862634	189.5863154		\$		\$	140,609
179260938	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	180.5956681	180.5956533		\$	741.66	\$	133,941
237450602	2011-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109054961		174.2561476		\$		\$	129,239
237091188	1956-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	56-124		165.4483229		\$		\$	122,707
179272322 179261154	2008-01-01 12:00:00 Existing 2008-01-01 12:00:00 Existing	16 STWI 16 STW	HP HP	Bare Bare	Insert Direct Bury	109031025 109031025	147.3923864 140.5938999	147.3923872 140.5938788		\$		\$	109,315 104,273
237074383	1956-01-01 12:00:00 Existing	16 STW	HP	Bare	Insert	56-124	140.5938999	138.5977421		\$		\$	104,273
237090173	1956-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	56-124		132.2066931		Ś		\$	98,053
179259453	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	122.4998413	122.4998064		\$		\$	90,853
179279057	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	103.540131	103.5401445		\$		\$	76,792
179282540	2000-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109003743	95.03924452	95.03926265		\$		\$	70,487
107663396 237448577	2008-01-01 12:00:00 Existing	16 STW 16 STW	HP HP	Bare Bare	Direct Bury	109031025	94.98382003	94.98379917 88.13897713		\$		\$	70,446
179273035	1957-01-01 12:00:00 Existing 2000-01-01 12:00:00 Existing	16 STWI	HP	Bare	Direct Bury Insert	56-124 109003743	83.2950742	83.29505131		ŝ		\$	65,369 61,777
179262963	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	82.51423785	82.51428077		Ś		\$	61.198
179256033	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	79.41315414	79.41318669		\$		\$	58,898
237090127	1956-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	56-124		77.22537417		\$	741.66	\$	57,275
179273392	2008-01-01 12:00:00 Existing	16 STWI	HP	Bare	Insert	109031025	71.42144377	71.42141946		\$		\$	52,971
179269692	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	70.27489562	70.27494527		\$		\$	52,120
237447092 179274459	2004-01-01 12:00:00 Existing 2008-01-01 12:00:00 Existing	16 STW 16 STW	HP HP	Bare Bare	Direct Bury Direct Bury	109018363 109031025	57.71631637	58.77314437 57.7163636		\$		\$	43,590 42,806
1/92/4459	2008-01-01 12:00:00 Existing 2008-01-01 12:00:00 Existing	16 STW 16 STW	HP	Bare	Direct Bury Direct Bury	109031025	52.49604218	52.496039		\$		\$	42,806 38,934
	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	52.41163737	52.41163778		\$		\$	38,872
179263404	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	49.56794228	49.56790326		\$		\$	36,763
179257656	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	48.75095939	48.750947		\$		\$	36,157
237076560	1956-01-01 12:00:00 Existing	16 STWI	HP	Bare	Insert	56-124	40 575046:	44.43090792		\$		\$	32,953
179276159 179269355	2008-01-01 12:00:00 Existing 2008-01-01 12:00:00 Existing	16 STW 16 STW	HP HP	Bare Bare	Direct Bury	109031025 109031025	42.57531644 41.29480484	42.57533757 41.29478978		\$		\$ \$	31,576 30.627
179269355	2008-01-01 12:00:00 Existing 2008-01-01 12:00:00 Existing	16 STW 16 STW	HP	Bare	Direct Bury Direct Bury	109031025	41.29480484 39.99210339	41.29478978 39.99215413		\$ \$		\$	29,661
179260009	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	39.75888546	39.75884354		\$		\$	29,488
179265978	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	36.84707393	36.8470737		\$		\$	27,328
237438905	1962-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	MC62256		36.37325167		\$	741.66	\$	26,977
179260710	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	35.26982636	35.26985192		\$		\$	26,158
179265079	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	34.96736308	34.96737638		\$		\$	25,934
179283685 179274752	2008-01-01 12:00:00 Existing 2008-01-01 12:00:00 Existing	16 STW 16 STW	HP HP	Bare Bare	Direct Bury Direct Bury	109031025 109031025	33.10844722 32.85987473	33.10846469 32.85991642		\$		\$	24,555 24,371
179274752	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	29.96686139	29.96686764		ș Ś		ş S	22,225
179258884	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	27.26462792	27.26461547		\$		\$	20,221
179276535	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	22.72018714	22.72017042		\$		\$	16,851
179267628	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	20.92050966	20.92047137		\$		\$	15,516
179257637	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	18.99764723	18.99765412		\$		\$	14,090
237082027	1956-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	56-124		18.48635579		\$		\$	13,711
237450427 237448904	1962-01-01 12:00:00 Existing 2011-01-01 12:00:00 Existing	16 STW 16 STW	HP HP	Bare Bare	Direct Bury	MC62256 109054961		18.13142808 17.46459209		\$		\$	13,447 12,953
237448904	1930-01-01 12:00:00 Existing	16 STW 16 STW	HP	Bare	Direct Bury Direct Bury	305369		17.46459209		\$ \$		\$	12,953
179261948	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	17.14915515	17.14917005		\$		\$	12,719
179269022	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	15.77801648	15.77797016		\$		\$	11,702
237465802	2011-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109054961		14.38530035		\$		\$	10,669
179259927	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	12.20887961	12.2088436		\$		\$	9,055
179266073	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	12.12824497	12.1282017		\$		\$	8,995
237442281 237466743	2004-01-01 12:00:00 Existing 1930-01-01 12:00:00 Existing	16 STW 16 STW	HP HP	Bare Bare	Direct Bury Direct Bury	109018363 305369		11.64033903 11.55830646		\$		\$ \$	8,633 8,572
237446788	1930-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	305369		11.54925503		\$		\$	8,572 8,566
237081074	1956-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	56-124		10.81699058		\$		\$	8,023
179274540	2008-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109031025	10.43694642	10.43697969		\$		\$	7,741
237468822	2004-01-01 12:00:00 Existing	16 STW	HP	Bare	Direct Bury	109018363		9.441999791		\$	741.66	\$	7,003

237471030													
	2004-01-01 12:00:00 Ex	xisting 16	STW H	Р В	Bare	Direct Bury	109018363		9.361794899	\$	741.66	\$	6,943
237444168	2004-01-01 12:00:00 Ex	xisting 16	STW H	Р В	Bare	Direct Bury	109018363		8.4885039	\$	741.66	\$	6,296
237470129	1962-01-01 12:00:00 Ex	xisting 16	STW H	P B	Bare	Direct Bury	MC62256		8.137056757	\$	741.66	\$	6,035
237438367	1930-01-01 12:00:00 Ex	xisting 16	STW H	P B	Bare	Direct Bury	305369		7.070855622	\$	741.66	\$	5,244
237441311	2011-01-01 12:00:00 Ex		STW H		Bare	Direct Bury	109054961		4.342750875	\$	741.66	\$	3,221
237456449	1930-01-01 12:00:00 Ex		STW H			Direct Bury	305369		4.252481705	\$	741.66	\$	3,154
237453901	2011-01-01 12:00:00 Ex		STW H			Direct Bury	109054961		3.54373137	\$	741.66	\$	2,628
237471492	1995-01-01 12:00:00 Ex		STW H			Direct Bury	9505659	5,083	5,083	\$	558.21	-	2,837,311
237074379	1995-01-01 12:00:00 Ex		STW H			Direct Bury	9505659	1,645	1,645	\$	558.21	\$	918,146
237465121	1995-01-01 12:00:00 Ex		STW H			Direct Bury	9505659	1,026	1,026	\$	558.21	\$	572,583
237080171	1995-01-01 12:00:00 Exi		STW H	_		Direct Bury	9505659	925	925	\$	558.21	\$	516,514
237449181	1995-01-01 12:00:00 Ex		STW H			Direct Bury	9505639	223	223	\$	558.21	\$	124,440
237458403	1995-01-01 12:00:00 Ex		STW H		Bare	Direct Bury	9505659	215	215	\$	558.21	\$	119,898
179276462	2008-01-01 12:00:00 Ex		STW H	Р В	Bare	Direct Bury	109031025	194	194	\$	558.21	\$	108,453
108382934	2008-01-01 12:00:00 Ex		STW H	-		Direct Bury	109038855	150	150	\$			83,714
179276982	2008-01-01 12:00:00 Ex		STW H	_		Direct Bury	109038855	145	145	\$			81,095
179262279	2008-01-01 12:00:00 Ex		STW H			Direct Bury	109038855	135	135	\$	558.21		75,463
237085590	1995-01-01 12:00:00 Ex		STWI H			Insert	9505659	107	107	\$			59,587
107960556	2017-05-15 12:00:00 Ex		STW H			Direct Bury	109087547	65	65	\$			36,029
179256294	1995-01-01 12:00:00 Ex		STW H			Direct Bury	9505659	58	58	\$	558.21		32,116
109623623	2020-09-21 12:00:00 Ex		STW H			Unknown	109087543	48	48	\$	558.21	\$	26,953
179262226	2008-01-01 12:00:00 Ex		STW H			Direct Bury	109031025	46	46	\$	558.21	\$	25,849
108382933	2017-07-17 12:00:00 Ex		STW H			Direct Bury	109087546	43	43	\$	558.21	\$	24,003
107960554	2017-05-15 12:00:00 Ex		STW H			Direct Bury	109087547	41	41	\$	558.21	\$	22,761
179259720 179271915	2008-01-01 12:00:00 Ex		STW H			Direct Bury	109031025	29 28	29 28	\$	558.21 558.21	\$ \$	16,246 15,786
						Direct Bury	400004005					,	
179261536 109759825	2008-01-01 12:00:00 Exi 2020-09-21 12:00:00 Exi		STW H	-		Direct Bury Unknown	109031025 109087543	23 19	23 19	\$	558.21 558.21	\$ \$	12,924 10.871
108382941	2017-07-17 12:00:00 Exi		STW H	-		Direct Bury	109087546	18	18	Ś	558.21	\$	10,049
179272689		-	STW H			Direct Bury	103007340	17	17	Ś	558.21	\$	9,757
179264173	2008-01-01 12:00:00 Exi		STW H			Direct Bury	109038855	14	14	Ś	558.21	Ś	7,826
109786816	2008-01-01 12:00:00 Ex		STW H			Direct Bury	109031025	13	13	Ś	558.21	\$	7,156
9387119	2008-01-01 12:00:00 Ex		STW H			Direct Bury	109031025	12	12	Ś	558.21	Ś	6,743
179281830	2008-01-01 12:00:00 Ex		STW H			Direct Bury	109038855	11	11	Ś	558.21	Ś	6,332
179256796	2008-01-01 12:00:00 Ex		STW H			Direct Bury	109031025	11	11	Ś	558.21	Ś	5,943
108382937	2017-07-17 12:00:00 Ex		STW H			Direct Bury	109087546	10	10	Ś	558.21	\$	5,582
109786817	2008-01-01 12:00:00 Ex		STW H	_		Direct Bury	109031025	9	9	Š	558.21	Ś	5,148
179274693	2008-01-01 12:00:00 Ex		STW H			Direct Bury	109038855	8	8	Ś	558.21	Ś	4,264
179271868	2008-01-01 12:00:00 Ex		STW H			Direct Bury	109031025	8	8	Š	558.21	\$	4,260
179265552	2008-01-01 12:00:00 Ex		STW H			Direct Bury	109031025	7	7	Š	558.21	\$	3,720
107960552	2017-05-15 12:00:00 Ex		STW H	Р В		Direct Bury	109087547	6	6	Ś	558.21		3,564
179259848	2008-01-01 12:00:00 Ex		STW H	Р В		Direct Bury	109031025	6	6	Ś	558.21	\$	3,249
179273939	2008-01-01 12:00:00 Ex		STW H			Direct Bury	109031025	5	5	Ś	558.21	\$	2,880
179266426			STW H			Direct Bury		5	5	\$	558.21	\$	2,826
179275131	Ex		STW H	Р В	Bare	Direct Bury		5	5	\$	558.21		2,692
179267653	Ex	xisting 12	STW H	Р В	Bare	Direct Bury		5	5	\$	558.21	\$	2,644
179259518	2008-01-01 12:00:00 Exi	xisting 12	STW H	P B	Bare	Direct Bury	109038855	4	4	\$	558.21	\$	2,365
179282812	2008-01-01 12:00:00 Exi	xisting 12	STW H	Р В	Bare	Direct Bury	109031025	4	4	\$	558.21	\$	2,055
108221473	2008-01-01 12:00:00 Ex	xisting 12	STW H	Р В	Bare	Direct Bury	109031025	3	3	\$	558.21	\$	1,942
109759824	2020-09-21 12:00:00 Ex	xisting 12	STW H	Р В	Bare	HDD = Horizontal Directional Drill	109087543	0	0	\$	558.21	\$	9
237452096	1990-01-01 12:00:00 Ex	xisting 8	STW H	P B	Bare	Joint Trench	905504	3336.324755	3336.324831	\$	364.06	\$	1,214,635
237458207	1962-01-01 12:00:00 Ex	xisting 8	STW H	Р В	Bare	Direct Bury	62300	2721.451821	2721.451803	\$	364.06	\$	990,782
237448554	1969-01-01 12:00:00 Ex	xisting 8	STW H	Р В	Bare	Direct Bury	69S528	2648.980039	2648.980036	\$	364.06	\$	964,398
237459064	1990-01-01 12:00:00 Ex	xisting 8	STW H	Р В	Bare	Joint Trench	905504	2187.08674	2187.086749	\$	364.06	\$	796,239
237443245	1960-01-01 12:00:00 Ex		STW H		Bare	Direct Bury	60-323	2144.359452	2144.359439	\$	364.06	\$	780,684
237455350	1990-01-01 12:00:00 Ex		STW H		Bare	Joint Trench	905504	1558.4181	1558.418071	\$	364.06	\$	567,364
237465301	1969-01-01 12:00:00 Ex	xisting 8	STW H	P B	Bare	Direct Bury	69S528	1536.597931	1536.597894	\$	364.06	\$	559,420
237447808	1990-01-01 12:00:00 Ex	xisting 8	STW H	P B	Bare	Joint Trench	905504	1308.527817	1308.527819	\$	364.06	\$	476,388
237457435	1962-01-01 12:00:00 Ex		STW H			Direct Bury	MC27925	1307.772578	1307.772612	\$	364.06	\$	476,113
237444046	1969-01-01 12:00:00 Ex		STW H		Bare	Direct Bury	69S528	1141.635064	1141.635038	\$	364.06	\$	415,628
237460286	1969-01-01 12:00:00 Ex		STW H	_		Direct Bury	69S528	1048.166739	1048.166773	\$	364.06	\$	381,600
237466664	1969-01-01 12:00:00 Ex	xisting 8	STW H			Direct Bury	69S528	880.3560257	880.3560526	\$	364.06	\$	320,506
108564896			STW H			Unknown	109079712	697.2491195	697.2491099		364.06	\$	253,843
237459873	2018-08-22 12:00:00 Ex	-								\$			236,196
	1960-01-01 12:00:00 Ex	xisting 8	STW H	-		Direct Bury	60-323	648.7775627	648.7775825	\$	364.06	\$	
237455013	1960-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex	xisting 8 xisting 8	STW H	P B	Bare	Joint Trench	905504	648.7775627 611.9864595	611.9864687	\$	364.06	\$	222,802
237459445	1960-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi	xisting 8 xisting 8 xisting 8	STW H	P B	Bare Bare	Joint Trench Direct Bury	905504 905504	648.7775627 611.9864595 460.5532305	611.9864687 460.5532391	\$ \$	364.06 364.06	\$ \$	222,802 167,671
237459445 237462624	1960-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi	xisting         8           xisting         8           xisting         8           xisting         8           xisting         8	STW H STW H STW H	P B	Bare Bare Bare	Joint Trench Direct Bury Direct Bury	905504 905504 60-323	648.7775627 611.9864595 460.5532305 375.4365119	611.9864687 460.5532391 375.4365587	\$ \$ \$ \$	364.06 364.06 364.06	\$ \$ \$	222,802 167,671 136,683
237459445 237462624 237454563	1960-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 1969-01-01 12:00:00 Exi	xisting         8           xisting         8           xisting         8           xisting         8           xisting         8           xisting         8	STW H STW H STW H STW H	P B B B B B	Bare Bare Bare Bare	Joint Trench Direct Bury Direct Bury Direct Bury	905504 905504 60-323 69S528	648.7775627 611.9864595 460.5532305 375.4365119 371.711145	611.9864687 460.5532391 375.4365587 371.7111561	\$ \$ \$	364.06 364.06 364.06 364.06	\$ \$ \$ \$	222,802 167,671 136,683 135,327
237459445 237462624 237454563 237438983	1960-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi	xisting     8	STW H STW H STW H STW H STW H	B B B B B B	Bare Bare Bare Bare Bare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury	905504 905504 60-323 69S528 60S323	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437	611.9864687 460.5532391 375.4365587 371.7111561 354.6525644	\$ \$ \$	364.06 364.06 364.06 364.06 364.06	\$ \$ \$ \$ \$	222,802 167,671 136,683 135,327 129,116
237459445 237462624 237454563 237438983 108564934	1960-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 2018-08-22 12:00:00 Exi	xisting     8	STW H	B B B B B B B B	Bare Bare Bare Bare Bare Bare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Unknown	905504 905504 60-323 695528 605323 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 336.7320086	611.9864687 460.5532391 375.4365587 371.7111561 354.6525644 336.7320558	\$ \$ \$ \$ \$	364.06 364.06 364.06 364.06 364.06	\$ \$ \$ \$ \$	222,802 167,671 136,683 135,327 129,116 122,592
237459445 237462624 237454563 237438983 108564934 237473235	1960-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 2018-08-22 12:00:00 Exi 1960-01-01 12:00:00 Exi	xisting         8	STW H	B B B B B B B B B B B B B B B B B B B	Bare Bare Bare Bare Bare Bare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury	905504 905504 60-323 695528 605323 109079712 60-323	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 336.7320086 335.7087891	611.9864687 460.5532391 375.4365587 371.7111561 354.6525644 336.7320558 335.708801	·	364.06 364.06 364.06 364.06 364.06 364.06	\$ \$ \$ \$ \$	222,802 167,671 136,683 135,327 129,116 122,592 122,219
237459445 237462624 237454563 237438983 108564934 237473235 108564888	1960-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 2018-08-22 12:00:00 Exi 2018-08-22 12:00:00 Exi	xisting         8	STW H	B B B B B B B B B B B B B B B B B B B	dare dare dare dare dare dare dare	Joint Trench Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Unknown Unknown	905504 905504 60-323 695528 605323 109079712 60-323 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403	611.9864687 460.5532391 375.4365587 371.7111561 354.6525644 336.7320558 335.708801 300.8207913	\$ \$ \$ \$ \$	364.06 364.06 364.06 364.06 364.06 364.06 364.06	\$ \$ \$ \$ \$ \$ \$	222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518
237459445 237462624 237454563 237438983 108564934 237473235 108564888 237463036	1960-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-08-22 12:00:00 Ex 1960-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex	xisting         8	STW H	B B B B B B B B B B B B B B B B B B B	Bare Bare Bare Bare Bare Bare Bare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury	905504 905504 60-323 695528 605323 109079712 60-323 109079712 60-323	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 297.5762953	611.9864687 460.5532391 375.4365587 371.7111561 354.6525644 336.7320558 335.708801 300.8207913 297.5762872	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518 108,337
237459445 237462624 237454563 237438983 108564934 237473235 108564888	1960-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1990-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 1960-01-01 12:00:00 Exi 2018-08-22 12:00:00 Exi 2018-08-22 12:00:00 Exi	xisting         8	STW H	B B B B B B B B B B B B B B B B B B B	aare Bare Bare Bare Bare Bare Bare Bare	Joint Trench Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Unknown Unknown	905504 905504 60-323 695528 605323 109079712 60-323 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403	611.9864687 460.5532391 375.4365587 371.7111561 354.6525644 336.7320558 335.708801 300.8207913	·	364.06 364.06 364.06 364.06 364.06 364.06 364.06	\$ \$ \$ \$ \$ \$ \$	222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518
237459445 237462624 237454563 237438983 108564934 237473235 108564888 237463036 27065086	1960-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 1969-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-08-22 12:00:00 Ex 1960-01-01 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-08-22 12:00:00 Ex 1960-01-01 12:00:00 Ex 2018-08-22 12:00:00 Ex	xisting         8	STW H		dare dare dare dare dare dare dare dare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Joinect Bury Joint Trench	905504 905504 60-323 609528 605323 109079712 60-323 109079712 60-323 109037731 109037731	648.7775627 611.9864595 611.9864595 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 297.5762953 293.9566841	611.9864687 460.5532391 375.4365587 371.7111561 354.6525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 259.1626304		364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518 108,337 107,019 94,352
237459445 237462624 237454563 237438983 108564934 237473235 108564888 237463036 27065086 108564917 108564880	1960-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 1969-01-01 12:00:00 Ex 1969-01-01 12:00:00 Ex 2018-08-22 12:00:00 Ex 1960-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 2018-08-22 12:00:00 Ex	xisting         8	STW H		dare dare dare dare dare dare dare dare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Direct Bury Joint Trench Unknown	905504 905504 60-323 695528 605323 109079712 60-323 109079712 60-323 109037731	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 297.5762953 293.9566841 259.162676	611.9864687 460.5532391 375.4365587 371.7111561 354.6525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907		364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518 108,337 107,019 94,352 89,421
237459445 237462624 237454563 237438983 108564934 237473235 108564888 237463036 27065086 108564917	1950-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-08-20 Ex 2018-08-22 12:00:00 Ex 2018-08-	xisting         8	STW H	B B B B B B B B B B B B B B B B B B B	dare dare dare dare dare dare dare dare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Unknown Unknown Unknown	905504 905504 60-323 695528 605323 109079712 60-323 109079712 60-323 109037731 109079712	648.7775627 611.9864595 460.5532205 375.4365119 371.711145 334.6525437 336.7320086 335.7087891 300.8207403 293.9566841 293.9566841 294.62676 245.6176853	611.9864687 460.5532391 375.4365587 371.7111561 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 293.9566907 295.1626304 245.6176527		364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518 108,337 107,019 94,352
237459445 237462624 237454563 237438983 108564934 237473235 108564888 237463036 27065086 108564917 108564880 108564900	1960-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 2018-08-22 12:00:00 Ex	xisting         8	STW H		dare dare dare dare dare dare dare dare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Unktown Direct Bury Unknown Direct Bury Unknown Joint Trench Unknown Unknown Unknown	905504 905504 60-323 695528 605323 109079712 60-323 109079712 109079712 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055	611.9864887 460.5532391 375.4365587 371.7111561 334.6525644 336.7320558 337.078801 300.8207913 297.5762872 293.9566907 259.1626304 245.6176527 240.926506		364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518 108,337 107,019 94,352 89,421 87,713
237459445 237462624 237454563 237438983 108564934 237473235 108564888 23765086 108564917 108564880 108564900 237453601	1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 2018-08-22 12:00:00 Ex	xisting         8	STW H		dare dare dare dare dare dare dare dare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Direct Bury	905504 905504 905504 60-323 695528 605323 109079712 60-323 109079712 109079712 109079712 109079712 109079712	648.7775627 611.9864595 611.9864595 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 226.9065903	611.9864687 460.5532391 375.4365587 371.7111561 334.6525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 293.9566907 295.91626304 245.6176527 240.926506 236.9066853		364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518 108,337 107,019 94,352 89,421 87,713 86,249
237459445 237462624 237454563 237438983 108564934 237473235 108564888 237643036 27065086 108564901 108564900 237453601 237470062	1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-08-20 12:00:00 Ex 2005-01-01 12:00:00 Ex 2005-01 12:00:00 Ex 2005-01 12:00:00 Ex 2005-	xisting         8	STW H		dare dare dare dare dare dare dare dare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Direct Bury Direct Bury Direct Bury	905504 905504 905504 605323 695528 605323 109079712 60-323 109079712 109079712 109079712 109079712 109079715 109077759	648.7775627 611.9864595 610.5522305 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 236.9066903 213.7512787	611.9864687 460.5532391 375.4365587 371.7111561 354.6525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 259.1626304 245.6176527 240.926506		364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518 108,337 107,019 94,352 89,421 87,713 86,249 77,819
237459445 237462624 237454563 237438983 108564934 237473235 108564888 237463036 27065086 108564917 108564880 108564900 237453601 237470062 237467456	1960-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-08-21 12:00:00 Ex	xisting         8	STW H	B	dare dare dare dare dare dare dare dare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Joint Trench Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Direct Bury Direct Bury Direct Bury	905504 905504 60-323 695528 605323 109079712 60-323 109079712 109037731 109079712 109079712 109079712 109017759 60-323	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 236.9066903 213.7512787 186.8327756	611.9864687 460.5532391 375.4365587 371.7111561 354.6525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 259.1626304 245.6176527 240.926506 236.9066853 213.751302 186.8327712		364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518 107,019 94,352 89,421 87,713 86,249 77,819 68,019
237459445 237462624 237454563 237438883 108564934 237473235 108564888 237463036 27065086 108564917 108564880 108564900 237453601 237470062 237467456 237450501	1990-01-01 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-08-20 12:00:00 Ex 1990-01-01 12:00:00 Ex 1991-07-18 12:00:00 Ex 1991-07-18 12:00:00 Ex 1991-07-18 12:00:00 Ex	xisting         8	STW H	B	sare sare sare sare sare sare sare sare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Direct Bury Direct Bury Joint Trench	905504 905504 60-323 695528 605323 109079712 60-323 109079712 60-323 109079712 109079712 109079712 109079712 109017759 109017759 109017759 109017759 109017759	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 334.6525437 336.7320086 335.7087891 300.8207403 293.9566841 259.162676 245.6176853 240.9265055 240.9265055 213.7512787 156.906903 213.7512787	611.9864687 460.5532391 375.4365587 371.7111561 336.67320558 335.708801 300.8207913 297.5762872 293.9566907 293.9566907 294.956506 245.6176527 240.926506 236.9066853 213.751302 186.8327712 159.7781566		364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518 108,337 107,019 94,352 89,421 87,713 86,249 77,819 68,019 58,169
237452624 237462624 237463633 237434583 23743283 108564934 237463036 237463036 108564917 108564880 108564917 10856480 108564917 10856480 108564917 10856480 108564917 10856480 237467062 237467456 237467456 237467456	1990-01-01 12:00:00 Ex 2012-01-21 2:00:00 Ex 2012-01-21 2:00:00 Ex 2012-01-21 2:00:00 Ex 2012-01-21 2:00:00 Ex 2012-01-01 12:00:00 Ex 2013-08-22 12:00:00 Ex 201	wisting         8	STW H	B	dare dare dare dare dare dare dare dare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Direct Bury	905504 905504 905504 60-323 695528 605323 109079712 60-323 109079712 109079712 109079712 109079712 109017759 60-323 905504	648.7775627 611.9864595 611.9864595 610.5523205 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 236.9066903 213.7512787 186.83327756 189.7871982 154.4377158 149.9974911 132.2374068	611.9864687 460.5532391 375.4365587 371.7111561 336.46525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 293.9566907 293.9566907 294.0926506 213.751302 186.8327712 189.7871566 154.437688 149.9974697 149.132.2374491		364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	222,802 167,671 136,683 135,327 129,116 122,592 109,518 108,337 107,019 94,352 89,421 87,713 86,249 77,819 68,019 58,169 56,225
237459445 237462624 237454563 237434583 237438983 108564934 237473235 108564936 27065086 27065086 108564917 108564902 23745601 237450601 237450601 237450601 237450601 237450601 237450601 237450601 237450601 237450601 237450601	1990-01-01 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-08-20 12:00:00 Ex 2018-08-20 12:00:00 Ex 2018-08-20 12:00:00 Ex 2018-08-20 12:00:00 Ex 1991-07-18 12:00:00 Ex 1991-07-18 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-01 12:00:00 Ex 2018-	xisting         8	STW H	B	sare fare fare fare fare fare fare fare f	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Direct Bury Direct Bury Joint Trench Unknown Direct Bury Direct Bury Direct Bury Joint Trench Unknown Unknown Direct Bury	905504 905504 905504 60-323 695528 605323 109079712 60-323 109079712 109037731 109079712 109079712 109079712 109079712 109079712 109017759 60-323 905504 109079712 109008726 695528 605323	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 291.5762953 293.9566841 259.162676 245.6176853 240.9265055 236.9066903 211.7512787 186.8327756 159.7781982 144.3977158 149.9974911 132.2374068 126.9992247	611.9864687 460.5532391 375.4365587 371.7111561 334.6525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 293.9566907 295.1626304 245.6176527 240.926506 236.9066853 213.751302 186.8327712 159.7781566 154.437688 149.9974697		364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06	* * * * * * * * * * * * * * * * * * * *	222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518 108,337 107,019 94,352 89,421 87,713 86,249 68,019 58,169 56,225 54,609
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237459445 237462624 237462636 237454563 237438983 108564888 237473235 108564917 108564910 237453601 237453601 237453601 10856490 237453601 23745062 237467456 237467456 237467456 237467456 237467456 237467456 237467456 237467456	1990-01-01 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-08-20	xisting         8	STW H	B	sare fare fare fare fare fare fare fare f	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Joint Trench Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Direct Bury	905504 905504 905504 905504 905508 605323 199079712 60-323 199079712 60-323 199079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 1090797712 1090797712 1090797712 1090797712 1090797712 1090797712 1090797712 1090797712 1090797712 1090797712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 293.9566841 259.162676 245.6176853 240.9265055 236.9066903 213.7512787 186.8327756 199.7781982 154.4377158 149.9974911 149.9974911 159.7781982 154.4377158 149.9974911 120.6521059 106.2629996	611.9864687 460.5532391 375.4365587 371.7111561 335.46525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 259.1626304 245.6176527 240.926506 236.9066833 213.751302 186.8327712 159.7781566 154.437688 149.9974697 120.6521088 106.2629977		364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06		22,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518 108,337 107,019 94,352 89,421 87,713 86,249 77,819 68,019 56,265 54,609 48,143 46,236 43,925 43,867
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237459445 237462624 237462624 237454563 237438983 108564384 237463203 27065086 27065086 108564890 108564900 237467062 237467062 237467062 237467465 23746746 23746 23746746 23746746 23746746 23746746 23746 23746746 23746746 23746746 23746746 23746746 2	1990-01-01 12:00:00 Ex	xisting         8           xisting	STW H	S	sare sare sare sare sare sare sare sare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Joint Trench	905504 905504 905504 905504 905508 60-323 695528 605323 109079712 60-323 109079712 109037731 109079712 109079712 109079712 109079712 109017759 60-323 905504 109079712 109008726 695528 605323 109037731 605323 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 240.9265055 243.7512787 186.8327756 189.7781982 154.4377158 126.9999247 120.6521059 106.2629996 106.2629996 94.99623441	611.9864687 460.5532391 375.4365587 371.7111561 335.46525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 293.9566907 293.9566907 293.9566907 293.9566907 293.9566907 293.9566907 293.9566907 293.9566907 293.9566907 293.9566907 293.9566907 293.9566907 293.9566907 293.9566907 293.9566907 293.9566907 293.9562606853 213.751302 186.8327712 195.97781566 154.437688 149.9974697 126.9592497 126.9592497 126.6521088 106.2629977 101.0521088 106.2629977 104.95620746		364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06		222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518 108,337 107,019 94,352 89,421 87,713 86,249 77,819 68,019 56,225 54,609 48,143 46,236 43,925 38,687 37,092
237459445 237452624 237453638 237438983 3237438983 323743225 327473225 327467326 237467326 237467366 237470062 23746746 237467186 237467	1990-01-01 12:00:00 Ex 1991-01-18 12:00:00 Ex	sixting         8           sixting	STW H		sare sare sare sare sare sare sare sare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Joint Tench Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Direct Bury D	905504 905504 905504 60-323 695528 605323 109079712 60-323 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 345.6525437 330.8207403 390.8207403 291.5762953 293.9566841 259.162676 245.6176853 240.9265055 245.6176853 240.9265055 245.75781982 213.7512787 186.8327756 199.7781982 149.9974911 132.2374068 149.9974911 132.2374068 101.8823796 90.99623441 70.6521059 90.99623441 70.6529996 101.8823796	611.9864687 460.5532391 375.4365587 371.7111561 354.6525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 259.1626304 245.6176527 240.926506 236.9066853 213.751302 186.8327712 159.7781566 154.437688 149.9974697 120.6521088 106.2629977 101.8823366 94.99620746 74.08001243		364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06 364.06	555555555555555555555555555555555555555	222,802 167,671 136,683 135,327 129,116 109,518 108,337 107,019 94,352 89,421 87,713 86,249 77,819 68,019 58,169 56,225 54,609 48,143 43,925 38,687 37,092 34,585
237459445 237462624 237463633 2374343893 108564934 237473235 10856488 237463206 27065086 108564917 108564910 23745900 23745900 23745900 237467050 237467286	1950-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1950-01-01 12:00:00 Ex 1950-01 12:00:00 Ex 19	xisting         8           xisting	STW H STW STW H		sare sare sare sare sare sare sare sare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Juknown Direct Bury Juknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Direct Bury Joint Trench Unknown Joint Trench Joint	905504 905504 905504 905504 905504 60-323 695528 605323 109079712 60-323 109079712 109037731 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 240.9265055 213.7512787 186.8327756 159.7781982 154.4377158 149.9974911 132.2374068 126.9992247 120.6521059 106.2629996 101.8823796 94.99623441 74.08003908 66.99073699	611.9864687 400.5532391 375.4365587 371.7111561 335.46525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 259.1626304 425.6176527 240.926506 231.751302 186.8327712 159.7781566 154.437688 149.9974697 132.2374491 126.5992497 120.6521088 106.2629977 101.8823366 94.99620746 74.08001243 66.99076915		364.06 364.06		222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518 108,337 107,019 94,352 89,421 87,713 86,219 58,169 56,225 54,609 48,143 46,236 43,925 38,687 33,687 34,585 26,970 24,389
237459445 23746254 2374524563 237438983 108564934 237438983 108564934 237463036 27065086 108564917 10856480 10354917 10856480 237453601 237467065 23746706 23	1990-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 1960-01 12	xisting         8           xisting	STW H STW H STW	S	sare sare sare sare sare sare sare sare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Joint Trench Unknown Joint Trench Unknown	905504 905504 905504 905504 60-323 695528 605323 109079712 60-323 109079712 109037731 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 1090797711 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712	648.7775627 611.9864595 611.9864595 611.9864595 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 299.5762953 293.9566841 259.162676 245.6176853 240.9265055 236.9066903 231.7512787 186.8327756 199.7781982 154.4377158 149.9974911 312.2374068 126.9992247 120.6521059 106.2629996 101.8823796 101.8823796 94.99623441 74.08003908 66.99073699 66.300521438	611.9864687 460.5532391 375.4365587 371.7111561 3354.6525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 259.1626304 245.6176527 240.926506 236.9066853 213.751302 186.8327712 159.7781566 154.437688 149.9974697 120.6521088 106.2629977 101.88233366 49.99620746 74.08001243 66.99076915 66.320619811		364.06 36		222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518 108,337 107,019 94,352 89,421 87,713 86,249 77,819 68,019 58,169 56,225 54,609 48,143 46,236 43,925 34,585 26,970 24,389 23,011
237459445 237462624 237454563 237438983 108564894 237473225 10856488 27065086 10856409 237470062 2374570062 237457062 237467465 237467466 23746746 237474746 23746746 23746746 23746746 23746746 23746746 23746746 237474746 23746 23746746 23746746 23746746 23746746 2	1950-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1950-01-01 12:00:00 Ex 2018-08-22 12:00:00 Ex 1991-07-18 12:00:00 Ex 1991-07-18 12:00:00 Ex 1991-07-18 12:00:00 Ex 2018-08-22 12:00:00 Ex 2018-08-12 12:00:00 Ex	xisting         8           xisting	STW H		Jare Jare Jare Jare Jare Jare Jare Jare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Joint Trench Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Direct Bury Joint Trench Unknown Joint Trench Direct Bury	905504 905504 905504 60-323 695528 605323 109079712 60-323 109037731 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 334.6525437 330.732036 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 240.9265055 240.926506903 213.7512787 186.8327756 159.7781982 154.4377158 149.9974911 132.2374068 149.9974911 132.2374068 106.26259996 106.26259996 106.26259996 106.26259996 106.26259996 106.26259996 106.2629996 106.823796 94.99623441 74.08003908 66.99073699 63.20621438 66.241142706	611.9864687 460.5532391 375.4365587 371.7111561 335.46525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 259.1626304 245.6176527 240.926506 226.9066853 213.751302 186.8327712 159.7781566 154.437688 149.9974697 132.2374491 120.6521088 106.2629977 101.8823366 94.99620746 74.08001243 66.99076915 66.320619811 66.24019811 66.24019811		364.06 364.06		222,802 167,671 136,683 135,327 129,116 129,116 109,518 108,337 107,019 94,352 89,421 86,249 77,819 58,169 56,225 54,609 48,143 46,236 43,925 34,685 26,970 24,389 23,011 22,722
23745945 237462624 237462624 237454563 237438983 108564934 237463205 27065086 10856490 10856490 10856490 10856490 10856490 237467360 237467360 23746745 23747457 23744747	1990-01-01 12:00:00 Ex	xisting         8           xisting	STW H STW STW STW H STW STW STW STW H STW	S	sare sare sare sare sare sare sare sare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Direct Bury	905504 905504 905504 905504 905508 60-323 695528 605323 109079712 60-323 109079712 60-323 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 240.9265055 243.7512787 186.8327756 189.7374088 126.9999247 120.6521059 106.26229996 101.8823796 94.99623441 74.08003908 66.99073699 63.20621438 62.41142706 58.88087781	611.9864687 460.5532391 375.4365587 371.7111561 336.46525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 293.9566907 293.9566907 293.9566907 293.9566907 294.0926506 213.751302 186.8327712 195.97781566 154.437688 149.9974697 120.6521088 106.2629977 101.8823366 94.99520746 74.08001243 66.99076915 63.20619811 62.41139627 65.88086593		364.06 36		222,802 167,671 136,683 135,227 129,116 109,518 108,337 107,019 94,352 89,421 87,713 86,249 77,819 68,019 58,169 48,143 46,236 43,925 54,609 48,143 46,236 43,925 26,970 24,389 23,011 22,722 21,436
237459445 237452624 237453638 237438983 103548983 10356484 237473235 108564917 108564917 108564918 237467062 237467062 237467066 237467186 2374671	1990-01-01 12:00:00 Ex 1991-01-12:00:00 Ex 1991	xisting         8           xisting	STW H		sare sare sare sare sare sare sare sare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Joint Trench Unknown Unknown Unknown Unknown Unknown Unknown Unknown Direct Bury	905504 905504 905504 60-323 695528 605323 109079712 60-323 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 330.7320086 335.7087891 300.8207403 291.5762953 293.9566841 259.162676 245.6176853 240.9265055 243.7512787 186.8327756 199.7781982 154.4377158 149.9974911 132.2374068 149.9974911 132.2374068 169.992247 120.6521059 101.8823796 94.99623441 120.6521059 101.8823796 94.99623441 140.8003908 66.99073699 66.99073699 66.99073699 66.99073699 66.99073699 66.99073699 66.99073699 66.9007369	611.9864687 460.5532391 375.4365587 371.7111561 354.6525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 259.1626304 245.6176527 240.926506 236.9066853 213.751302 186.8327712 159.7781566 154.437688 149.9974697 120.6521088 106.2629977 101.8823366 94.99620746 74.08001243 66.99076915 66.20019811 62.41139627 62.481096293		364.06 364.06		222,802 167,671 136,683 135,327 129,116 109,518 108,337 107,019 94,352 89,421 87,713 86,249 77,819 68,019 58,169 56,225 54,609 48,143 43,925 38,687 37,092 34,585 26,970 24,389 22,722 21,436 20,756
237459445 237462624 237454563 2374343893 108564934 237473235 10856488 237463205 20055086 108564917 10856491 237467052 237467052 23746726 237472806	1990-01-01 12:00:00 Ex	xisting         8           xisting	STW H	S	sare sare sare sare sare sare sare sare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Direct Bury Direc	905504 905504 905504 905504 905508 60-323 605528 605323 109079712 60-323 109079712 109037731 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 240.9265055 243.97576993 213.7512787 186.8327756 159.7781982 154.4377158 149.9974911 132.2374068 126.9992247 120.6521059 106.2629996 101.8823796 94.99623441 74.08003908 66.99073699 63.20621438 66.99073699 63.20621438 66.99073699 63.20621438 67.01253851 55.399996887	611.9864687 610.5532391 375.4365587 371.7111561 335.4365587 371.7111561 336.43625644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 293.9566907 293.9566907 293.9566907 294.62363066853 213.751302 186.8327712 195.97781566 154.437688 149.9974697 132.2374491 126.69927697 132.2374491 126.6920786 94.99620746 74.08001243 66.99076915 63.20619811 66.269977 58.88086593 57.01255162 53.99995403		364.06 36		222,802 167,671 136,683 135,327 129,116 122,592 109,518 108,337 107,019 94,352 89,421 87,713 86,249 77,819 56,225 54,609 48,143 46,236 43,925 34,588 73,709 48,143 46,236 43,925 34,588 26,970 24,389 23,011 22,722 21,436 20,756 19,656
2374659445 23746263 237453663 237438983 108564984 237473235 108564980 237473260 237453601 237473062 237467366 237467366 237467366 237467366 108564980 108564980 108564990	1990-01-01 12:00:00 Ex 1991-01-18 12:00:00 Ex	sixting         8           sixting	STW H STW STW STW STW STW STW STW H	S	sare sare sare sare sare sare sare sare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Direct Bury Joint Trench Unknown Insert	905504 905504 905504 905504 60-323 695528 605323 109079712 60-323 109079712 109037731 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079711 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712 109079712	648.7775627 611.9864595 611.9864595 611.9864595 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 236.9066903 231.7512787 186.8327756 195.7781982 154.4377158 149.9974911 312.2374068 126.9992247 120.6521059 106.2629996 101.8823796 94.99623441 74.08003908 66.99073699 63.20621438 66.99073699 63.20621438 62.41142706 58.88087781 57.01253851 53.99996887 50.66120958	611.9864687 460.5532391 375.4365587 371.7111561 335.46525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 259.1626304 245.6176527 240.926506 236.9066833 213.751302 186.8327712 159.7781566 154.437688 149.9974697 120.6521088 106.2629977 101.8823366 49.99620746 74.08001243 66.99076915 66.20619811 62.41139627 58.88086593 57.01255162 53.99995403 50.666121536		364.06 36		222,802 167,671 136,683 135,327 129,116 122,119 109,518 108,337 107,019 94,352 89,421 87,713 86,249 77,819 68,019 58,169 56,225 54,609 48,143 46,236 43,925 38,687 37,092 34,585 26,970 24,389 23,011 22,772 21,436 20,756 19,659 18,644
237459445 237462624 237454563 237434893 108564894 237473225 10856489 237463036 2705086 10856492 2374570062 2374570062 237457065 23746746 237474672 23745746 23747474 23747474 23747474 23747474 2374474970 237447474	1950-1-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 1991-07-18 12:00:00 Ex 1991-07-19 12:00:00 Ex 1991-07-10 12:00:00 Ex	xisting         8           xisting	STW		sare sare sare sare sare sare sare sare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Direct Bury D	905504 905504 905504 60-323 695528 605323 109079712 60-323 109079712 60-323 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 334.6525437 330.32036 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 240.9265055 240.926506903 213.7512787 186.8327756 159.7781982 154.4377158 149.9974911 132.2374068 149.9974911 132.2374068 105.2629996 106.26229996 106.26229996 106.262998	611.9864687 460.5532391 375.4365587 371.7111561 354.6525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 259.1626304 245.6176527 240.926506 236.9066853 213.751302 186.8327712 159.7781566 154.437688 149.9974697 132.2374491 120.6521088 106.2629977 101.8823366 94.99620746 74.08001243 66.99076915 58.8086593 57.01255162 53.99995403 50.66121536 50.66121536 50.6121536 50.6121536 50.6121536		364.06 36		222,802 167,671 136,683 135,327 129,116 122,592 122,219 109,518 108,337 107,019 94,352 89,421 87,713 86,249 58,169 58,169 58,169 54,609 48,143 46,236 43,925 38,687 38,687 38,687 23,011 22,722 21,436 20,756 19,659 18,444
23745945 2374526 237454563 237438983 108564934 23747325 108564934 23747325 108564931 108564932 237467056 237457050 237467056 237467050 23747270 23744970 23747371 23744970 237449970	1990-01-01 12:00:00 Ex	xisting         8           xisting	STW H	S	sare sare sare sare sare sare sare sare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Unect Bury Direct Bury Direct Bury Joint Trench Unknown Direct Bury D	905504 905504 905504 905504 905504 905508 605323 109079712 60-323 109079712 60-323 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 336.7320086 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 240.9265055 243.971898 213.7512787 186.83277756 189.7781982 154.4377158 149.9974911 132.2374068 126.99992447 74.08003908 66.99073699 63.20621438 62.41142706 58.88087781 57.01253851	611.9864687 460.5532391 375.4365587 371.7111561 336.46525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 293.9566907 293.9566907 293.1626304 245.6176527 240.926506 236.3906883 213.751302 186.8327712 159.7781566 154.437688 149.9974697 120.6521088 106.2629977 101.8823366 49.99620746 74.08001243 66.99076915 63.20619811 62.41139627 58.88086593 57.01255162 53.99995403 50.6121536 50.00129733		364.06 36		222,802 167,671 136,683 135,227 129,116 122,592 122,219 109,518 108,337 107,019 94,352 89,421 87,713 86,249 77,819 68,019 58,169 68,019 58,169 48,143 46,236 43,925 24,389 23,011 22,722 21,436 20,756 19,659 18,444 18,282
237459445 237462624 237454563 2374343893 108564894 237473235 108564891 108564917 108564918 237470062 237470062 237470062 237470062 237467066 237467066 237467066 237467186 23746	1990-01-01 12:00:00 Ex 1991-07-18 12:00:00 Ex 1990-01-01 12:00:00 Ex	sixting         8           sixting	STW H		sare  fare  fare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Joint Trench Unknown Unknown Unknown Unknown Unknown Direct Bury	905504 905504 905504 60-323 695528 605323 109079712 60-323 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 354.6525437 330.7320086 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 245.6176853 240.9265055 245.781982 154.4377158 156.8327756 159.7781982 154.4377158 149.9974911 132.2374068 149.9974911 132.2374068 169.992247 120.6521059 101.8823796 94.99623441 720.6521059 58.88087781 57.01253851 53.99996887 57.01253851 53.99996887 50.61220958 50.61220958 50.61220958 50.61220958 50.61220958 50.61220958 50.61220958 50.61220958 50.61220958 50.61220958 50.61220958 50.61220958 50.61220958 50.61220958 50.61220958 50.61220958 50.61220958 50.61220958 50.61220958	611.9864687 460.5532391 375.4365587 371.7111561 354.6525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 259.1626304 245.6176527 240.926506 236.9066853 213.751302 186.8327712 159.7781566 154.437688 149.9974697 120.6521088 106.262997 101.8823366 49.992497 101.8823366 49.9920746 74.08001243 66.99076915 66.2019811 62.41139627 58.88086593 57.01255162 53.9999403 50.01574596 50.012774596 50.012774596 50.00129733 47.99952396		364.06 36	000000000000000000000000000000000000000	222,802 167,671 136,683 135,327 129,116 109,518 108,337 107,019 94,352 89,421 87,713 86,249 77,819 68,019 58,169 56,225 54,609 48,143 43,925 38,687 37,092 34,585 26,970 24,389 22,722 21,436 20,756 19,659 18,244 18,282 18,204 17,475
237459445 237462624 237462624 237454563 237438983 108564888 237463236 27065086 108564910 2374670062 237453601 2374570062 237453601 237467062 237467186 237467188 23746	1990-01-01 12:00:00 Ex	skisting         8           skisting         8 </td <td>STW H STW H</td> <td>  S</td> <td>sare sare sare sare sare sare sare sare</td> <td>Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Joint Trench Unknown Joint Trench Direct Bury Direct</td> <td>905504 905504 905504 905504 905504 60-323 605528 605323 109079712 60-323 109079712 109037731 109079712</td> <td>648.7775627 611.9864595 460.5532305 375.4365119 371.711145 334.6525437 336.732006 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 240.9265055 213.7512787 159.7781982 154.4377158 149.9974911 132.2374068 149.997491 132.2374068 149.997491 102.6521059 106.2629996 101.8823796 94.99623441 74.08003908 66.99073699 63.20621438 66.99073699</td> <td>611.9864687 610.5532391 375.4365587 371.7111561 335.4365587 371.7111561 336.45625644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 293.9566907 293.9566907 293.9566907 293.95669083 213.751302 186.8327712 195.9781566 154.437688 149.9974697 132.2374491 126.69927697 101.8823366 94.99620746 74.08001243 66.99076915 63.20619811 64.26191811 66.269977 58.88086593 57.01255162 53.99995403 50.66121536 50.012973 30.66121536 50.012973 47.99952396</td> <td></td> <td>364.06 36</td> <td>********************</td> <td>222,802 167,671 136,683 135,327 129,116 122,592 109,518 108,337 107,019 94,352 89,421 87,713 86,249 77,819 56,225 54,609 48,143 46,236 43,925 34,588 23,011 22,722 21,436 20,756 19,659 18,444 19,659 19,659 18,444 19,659 18,444 19,659 18,444 19,659 18,444 19,659 18,444 19,659 18,444 18,204 17,475 16,349</td>	STW H	S	sare sare sare sare sare sare sare sare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Joint Trench Unknown Joint Trench Direct Bury Direct	905504 905504 905504 905504 905504 60-323 605528 605323 109079712 60-323 109079712 109037731 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 334.6525437 336.732006 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 240.9265055 213.7512787 159.7781982 154.4377158 149.9974911 132.2374068 149.997491 132.2374068 149.997491 102.6521059 106.2629996 101.8823796 94.99623441 74.08003908 66.99073699 63.20621438 66.99073699	611.9864687 610.5532391 375.4365587 371.7111561 335.4365587 371.7111561 336.45625644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 293.9566907 293.9566907 293.9566907 293.95669083 213.751302 186.8327712 195.9781566 154.437688 149.9974697 132.2374491 126.69927697 101.8823366 94.99620746 74.08001243 66.99076915 63.20619811 64.26191811 66.269977 58.88086593 57.01255162 53.99995403 50.66121536 50.012973 30.66121536 50.012973 47.99952396		364.06 36	********************	222,802 167,671 136,683 135,327 129,116 122,592 109,518 108,337 107,019 94,352 89,421 87,713 86,249 77,819 56,225 54,609 48,143 46,236 43,925 34,588 23,011 22,722 21,436 20,756 19,659 18,444 19,659 19,659 18,444 19,659 18,444 19,659 18,444 19,659 18,444 19,659 18,444 19,659 18,444 18,204 17,475 16,349
237459445 237462624 237462636 2374534636 237433434 237473235 108564880 108564880 237450501 237457062 237467366 237450501 237467186 237467186 237467186 237467186 108564931 20654891 108564891 108564891 108564891	1990-01-01 12:00:00 Ex 1991-01 12	sixting         8           sixting	STW H	S	sare sare sare sare sare sare sare sare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Direct Bury Direct Bury Direct Bury Direct Bury Joint Trench Unknown Direct Bury Direct B	905504 905504 905504 905504 905504 60-323 695528 605323 109079712 60-323 109079712 109037731 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 343.6525437 330.7320086 335.7087891 300.8207403 291.5762953 293.9566841 259.162676 245.6176853 240.9265055 245.6176853 240.9265055 245.6176853 240.9265055 137.7512787 186.8327756 159.7781982 149.9974911 132.2374068 149.9974911 132.2374068 101.8823796 94.99623441 74.08003908 66.99073699 61.9823796 66.99073699 66.99073699 66.99073699 66.99073699 66.99073699 66.99073699 66.99073699 66.90073699 66.99073699	611.9864687 460.5532391 375.4365587 371.7111561 335.46525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 259.1626304 245.6176527 240.926506 236.9066853 213.751302 186.8327712 159.7781566 154.437688 149.9974697 121.22374491 126.9992497 101.8823366 49.99620766 40.8001243 66.99076915 66.20019811 62.41139627 58.88086593 57.01255162 53.99995403 50.66121336 50.21574596 50.0012973 47.99952396 44.90657992 44.90657992 44.90657992 44.9067992 44.90657992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992		364.06 36	************************	222,802 167,671 136,683 135,327 129,116 122,119 109,518 108,337 107,019 94,352 89,421 107,019 94,352 89,421 68,019 58,169 77,819 68,019 56,225 54,609 48,143 46,236 43,925 34,585 26,970 24,389 21,436 20,756 19,659
237459445 237462624 237454563 237438983 10854844 237473235 10856486 27065086 10856491 237470062 2374570062 237457062 237457065 237467186	1950-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1990-01-01 12:00:00 Ex 1960-01-01 12:00:00 Ex 1991-07-18 12:00:00 Ex 1991-07-19 12:00:00 Ex	skisting         8           skisting         8 </td <td>STW H STW H</td> <td></td> <td>sare sare sare sare sare sare sare sare</td> <td>Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Direct Bury Direct Durknown Unknown Unknown Unknown Unknown Unknown Unknown</td> <td>905504 905504 905504 905504 905504 905504 60-323 109079712 60-323 109079712</td> <td>648.7775627 611.9864595 460.5532305 375.4365119 371.711145 334.6525437 336.7320086 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 240.9265055 213.7512787 186.8327756 159.7781982 154.4377158 149.9974911 132.2374068 149.9974911 132.2374068 105.2629996 106.2629996 106.2629996 106.2629996 106.2629996 53.00521438 66.99073699 63.20521438 65.241142706 58.88087781 57.01253851 53.99996887 50.6121578688 50.012136885 50.0123646 41.9967588 41.9967588 41.9967788</td> <td>611.9864687 610.5532391 375.4365587 371.7111561 335.4365587 371.7111561 336.45625644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 293.9566907 293.9566907 293.9566907 294.926506 236.9066853 213.751302 186.8327712 159.7781566 154.437688 149.9974697 132.2374491 126.9992497 132.2374491 126.9992497 132.2374491 126.99976915 63.20619811 64.261976915 63.20619811 63.20619811 63.20619811 63.20619811 63.20619811 63.20619815 63.20619815 63.20619815 63.20619817 64.4019867658</td> <td></td> <td>364.06 36</td> <td>*************************</td> <td>222,802 167,671 136,683 135,327 129,116 122,592 109,518 108,337 107,019 94,352 89,421 87,713 86,219 58,169 56,225 54,609 54,133 46,236 43,925 38,687 33,687 33,687 33,687 32,138 22,722 21,436 20,756 19,659 18,444 18,282 18,204 17,475 16,349 15,266</td>	STW H		sare sare sare sare sare sare sare sare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Direct Bury Direct Durknown Unknown Unknown Unknown Unknown Unknown Unknown	905504 905504 905504 905504 905504 905504 60-323 109079712 60-323 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 334.6525437 336.7320086 335.7087891 300.8207403 297.5762953 293.9566841 259.162676 245.6176853 240.9265055 240.9265055 213.7512787 186.8327756 159.7781982 154.4377158 149.9974911 132.2374068 149.9974911 132.2374068 105.2629996 106.2629996 106.2629996 106.2629996 106.2629996 53.00521438 66.99073699 63.20521438 65.241142706 58.88087781 57.01253851 53.99996887 50.6121578688 50.012136885 50.0123646 41.9967588 41.9967588 41.9967788	611.9864687 610.5532391 375.4365587 371.7111561 335.4365587 371.7111561 336.45625644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 293.9566907 293.9566907 293.9566907 294.926506 236.9066853 213.751302 186.8327712 159.7781566 154.437688 149.9974697 132.2374491 126.9992497 132.2374491 126.9992497 132.2374491 126.99976915 63.20619811 64.261976915 63.20619811 63.20619811 63.20619811 63.20619811 63.20619811 63.20619815 63.20619815 63.20619815 63.20619817 64.4019867658		364.06 36	*************************	222,802 167,671 136,683 135,327 129,116 122,592 109,518 108,337 107,019 94,352 89,421 87,713 86,219 58,169 56,225 54,609 54,133 46,236 43,925 38,687 33,687 33,687 33,687 32,138 22,722 21,436 20,756 19,659 18,444 18,282 18,204 17,475 16,349 15,266
237459445 237462624 237462636 2374534636 237433434 237473235 108564880 108564880 237450501 237457062 237467366 237450501 237467186 237467186 237467186 237467186 108564931 20654891 108564891 108564891 108564891	1990-01-01 12:00:00 Ex 1991-01 12	systeting         8           systing         8           systi	STW H	S	sare sare sare sare sare sare sare sare	Joint Trench Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Direct Bury Unknown Direct Bury Unknown Direct Bury Unknown Direct Bury Direct Bury Direct Bury Direct Bury Joint Trench Unknown Direct Bury Direct B	905504 905504 905504 905504 905504 60-323 695528 605323 109079712 60-323 109079712 109037731 109079712	648.7775627 611.9864595 460.5532305 375.4365119 371.711145 343.6525437 330.7320086 335.7087891 300.8207403 291.5762953 293.9566841 259.162676 245.6176853 240.9265055 245.6176853 240.9265055 245.6176853 240.9265055 137.7512787 186.8327756 159.7781982 149.9974911 132.2374068 149.9974911 132.2374068 101.8823796 94.99623441 74.08003908 66.99073699 61.9823796 66.99073699 66.99073699 66.99073699 66.99073699 66.99073699 66.99073699 66.99073699 66.90073699 66.99073699	611.9864687 460.5532391 375.4365587 371.7111561 335.46525644 336.7320558 335.708801 300.8207913 297.5762872 293.9566907 259.1626304 245.6176527 240.926506 236.9066853 213.751302 186.8327712 159.7781566 154.437688 149.9974697 121.22374491 126.9992497 101.8823366 49.99620766 40.8001243 66.99076915 66.20019811 62.41139627 58.88086593 57.01255162 53.99995403 50.66121336 50.21574596 50.0012973 47.99952396 44.90657992 44.90657992 44.90657992 44.9067992 44.90657992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992 44.9067992		364.06 36	************************	222,802 167,671 136,683 135,327 129,116 122,119 109,518 108,337 107,019 94,352 89,421 107,019 94,352 89,421 68,019 58,169 77,819 68,019 56,225 54,609 48,143 46,236 43,925 34,585 26,970 24,389 21,436 20,756 19,659

237445457	1969-01-01 12:00:00 E	xisting	8 STW	HP	Bare	Direct Bury	69S528	27.95107443	27.95105083	\$	364.06	\$	10,176
108564906	2018-08-22 12:00:00 E	xisting	8 STW	HP	Bare	Unknown	109079712	24.73460761	24.73460769	\$	364.06	\$	9,005
108564893	2018-08-22 12:00:00 E	xisting	8 STW	HP	Bare	Unknown	109079712	24.18684912	24.18680624	\$	364.06	\$	8,806
108564902	2018-08-22 12:00:00 E	xisting	8 STW	HP	Bare	Unknown	109079712	24.00016239	24.00016454	ŝ	364.06	\$	8.738
237443783	1969-01-01 12:00:00 E		8 STW	HP	Bare	Direct Bury	695528		20.71191785	Ś	364.06	Ś	7.540
108564925	2018-08-22 12:00:00 E		8 STW	HP	Bare	Unknown	109079712		17.00139971	Ś	364.06	\$	6.190
237438364	1962-01-01 12:00:00 E		8 STW	HP	Bare	Direct Bury	62-300		16.55495576	Ś	364.06	Ś	6.027
108564873	2018-08-22 12:00:00 E		8 STW	HP	Bare	Unknown	109079712		15.99913136	Ś	364.06	Ś	5,825
108564935	2018-08-22 12:00:00 E		8 STW	HP	Bare	Unknown	109079712		15.54555834	\$	364.06	\$	5,660
237453677	2005-01-01 12:00:00 E		0 5	HP	Bare	Direct Bury	109017759		15.00996447	\$	364.06	\$	5,465
237439474	1960-01-01 12:00:00 E			HP	Bare	Direct Bury	60-323		13.39752279	\$	364.06	\$	4,878
237449771	1960-01-01 12:00:00 E	xisting	8 STW	HP	Bare	Direct Bury	60-323	12.16219599	12.16218346	\$	364.06	\$	4,428
84617672	1969-01-01 12:00:00 E	xisting	8 STW	HP	Bare	Direct Bury	69S528	11.74654749	11.7465743	\$	364.06	\$	4,277
237090302	1956-01-01 12:00:00 E	xisting	8 STW	HP	Bare	Direct Bury	56-124		11.45145207	\$	364.06	\$	4,169
108382940	2017-07-17 12:00:00 E		8 STW	HP	Bare	Direct Bury	109087546		11.00157448	Ś	364.06	Ś	4.005
109623614	2020-09-21 12:00:00 E		8 STW	HP	Bare	HDD = Horizontal Directional Drill	109087541	10.98464537	10.98463709	Š	364.06	\$	3,999
109759827	2020-09-21 12:00:00 E		8 STW	HP	Bare	Unknown	109087543		10.53721963	Ś	364.06	\$	3.836
237438240	1960-01-01 12:00:00 E		8 STW	HP	Bare	Direct Bury	60S323	10.27315069	10.2731324	Ś	364.06	\$	3,740
108022978	2017-08-20 12:00:00 E		8 STW	HP		,	109105710		10.00235901		364.06		3,641
					Bare	Direct Bury				\$		\$	-,
237456789	2005-01-01 12:00:00 E		8 STW	HP	Bare	Direct Bury	109017759		10.00118842	\$	364.06	\$	3,641
237439439	2001-01-01 12:00:00 E		8 STW	HP	Bare	Direct Bury	109008726	10.00087313	10.0008993	\$	364.06	\$	3,641
237461727	2001-01-01 12:00:00 E		8 STW	HP	Bare	Direct Bury	109008726		10.00056557	\$	364.06	\$	3,641
108564915	2018-08-22 12:00:00 E	xisting	8 STW	HP	Bare	Unknown	109079712	9.9982137	9.998211711	\$	364.06	\$	3,640
237441937	1969-01-01 12:00:00 E	xisting	8 STW	HP	Bare	Direct Bury	69S528	8.807482841	8.807484201	\$	364.06	\$	3,206
237460264	1969-01-01 12:00:00 E	xisting	8 STW	HP	Bare	Direct Bury	69S528	8.439949282	8.439972487	\$	364.06	\$	3,073
108564871	2018-08-22 12:00:00 E	xisting	8 STW	HP	Bare	Unknown	109079712	8.430090038	8.430072148	Ś	364.06	Ś	3.069
108382936	2017-07-17 12:00:00 E	visting	8 STW	HP	Bare	Direct Bury	109087546	7.998713442	7.998709647	\$	364.06	\$	2.912
237442300	1960-01-01 12:00:00 E		8 STW	HP	Bare	Direct Bury	60S323		7.860523594	Ś	364.06	Ś	2.862
14518032	1990-01-01 12:00:00 E		8 STW	HP	Bare	Direct Bury	905504		7.656382195	Ś	364.06	Ś	2,787
						,							
237457334	1960-01-01 12:00:00 E		8 STW	HP	Bare	Direct Bury	60-323		7.543164725	\$		\$	2,746
109623613	2020-09-21 12:00:00 E		8 STW	HP	Bare	HDD = Horizontal Directional Drill	109087541		7.320039921	\$	364.06	\$	2,665
237465709	1969-01-01 12:00:00 E		8 STW	HP	Bare	Direct Bury	69S528		7.060620373	\$	364.06	\$	2,571
108564926	2018-08-22 12:00:00 E	xisting	8 STW	HP	Bare	Unknown	109079712	6.999986718	7.000011987	\$	364.06	\$	2,548
237464375	1960-01-01 12:00:00 E	xisting	8 STW	HP	Bare	Direct Bury	60-323	6.34677468	6.34675937	\$	364.06	\$	2,311
109759830	2020-09-21 12:00:00 E	xisting	8 STW	HP	Bare	HDD = Horizontal Directional Drill	109087543	5.999470353	5.99944566	\$	364.06	\$	2,184
84617674	1969-01-01 12:00:00 E	xisting	8 STW	HP	Bare	Direct Bury	69S528	5.654719473	5.654700766	Ś	364.06	Ś	2.059
108564910	2018-08-22 12:00:00 E	xisting	8 STW	HP	Bare	Unknown	109079712	5.001524648	5.001534948	ŝ	364.06	\$	1.821
109759828	2020-09-21 12:00:00 E		8 STW	HP	Bare	Unknown	109087543		5.001240601	Ś	364.06	\$	1.821
108564911	2018-08-22 12:00:00 E		8 STW	HP	Bare	Unknown	109079712		4.999183663	Ś	364.06	Ś	1.820
237458913	2005-01-01 12:00:00 E		8 STW	HP	Bare	Direct Bury	109017759		4.997154267	Ś	364.06	Ś	1.819
110218053			8 STW	HP	Bare		109017759		4.304628332	ŝ	364.06	\$ \$	1,819
	2020-09-21 12:00:00 E					HDD = Horizontal Directional Drill						,	,
108659824	2017-08-20 12:00:00 E		8 STW	HP	Bare	Direct Bury	109105710		3.164769329	\$	364.06	\$	1,152
108659825	2017-08-20 12:00:00 E		8 STW	HP	Bare	Direct Bury	109105710		2.545506941	\$	364.06	\$	927
109759832	2020-09-21 12:00:00 E		6 STW	HP	Bare	Above Ground	109087543		12.56176184	\$		\$	2,240
109623576	2020-09-21 12:00:00 E	xisting	6 STW	HP	Bare	Above Ground	109087541	3.409498268	3.409511129	\$	178.33	\$	608
179272228	E	xisting	4 STW	HP	Bare	Direct Bury		117.368105	117.368086	\$	105.59	\$	12,393
179272129	E	xisting	4 STW	HP	Bare	Direct Bury		43.63920948	43.63917623	\$	105.59	\$	4,608
237467226	2007-01-01 12:00:00 E	xisting	4 STW	HP	Bare	Direct Bury	109035085	37.08481569	37.08479911	Ś	105.59	Ś	3,916
179274510			4 STW	HP	Bare	Direct Bury		34.19889291	34.19886765	s	105.59	\$	3,611
237472710	2007-03-15 12:00:00 E		4 STW	HP	Bare	Direct Bury	109025043		26.79144207	\$	105.59	\$	2,829
237453847	1990-01-01 12:00:00 E		4 STW	HP	Bare	Direct Bury	905504		26.57499478	Ś	105.59	Ś	2,806
237438987	2007-01-01 12:00:00 E		4 STW	HP	Bare	Direct Bury	109035085		19.26918011	Ś	105.59	\$	2,000
										-			-,
237439857	1960-01-01 12:00:00 E		4 STW	HP	Bare	Direct Bury	60-323		17.48382981	\$	105.59	\$	1,846
179257304	2008-01-01 12:00:00 E		4 STW	HP	Bare	Direct Bury	109038855		15.68802951	\$	105.59	\$	1,657
237459081			4 STW	HP	Bare	Direct Bury		14.24293201	14.2429196	\$	105.59	\$	1,504
237440954	1960-01-01 12:00:00 E		4 STW	HP	Bare	Direct Bury	60S323		14.11737096	\$	105.59	\$	1,491
237088353	1956-01-01 12:00:00 E		4 STW	HP	Bare	Direct Bury	56-124		12.70617863	\$	105.59	\$	1,342
179258048	E	xisting	4 STW	HP	Bare	Direct Bury		12.67242341	12.67243494	\$	105.59	\$	1,338
179257582	E	xisting	4 STW	HP	Bare	Direct Bury		12.04401595	12.04402228	\$	105.59	\$	1,272
179266648			4 STW	HP	Bare	Direct Bury		11.71309976	11.71314582	\$	105.59	\$	1,237
179259478	E	xisting	4 STW	HP	Bare	Direct Bury		11.48560798	11.48558836	Ś	105.59	Ś	1,213
13019408	2007-03-15 12:00:00 E		4 STW	HP	Bare	Direct Bury	109025043		10.77084184	Ś	105.59	Ś	1.137
179257571			4 STW	HP	Bare	Direct Bury			10.20695577	Ś		\$	1,078
179255869			4 STW	HP	Bare	Direct Bury			9.875202541	Š	105.59	Ś	1.043
				HP			cococo			Š			
237467364	1960-01-01 12:00:00 E		4 STW		Bare	Direct Bury	60S323		8.916958272	-	105.59	\$	942
179259354			4 STW	HP	Bare	Direct Bury			8.910644531	\$	105.59	\$	941
179270116			4 STW	HP	Bare	Direct Bury			8.513793945	\$	105.59	\$	899
179263694	_		4 STW	HP	Bare	Direct Bury			8.382568359	\$	105.59	\$	885
237438429			4 STW	HP	Bare	Direct Bury			7.306501886	\$	105.59	\$	772
109759829	2020-09-21 12:00:00 E	xisting	4 STW	HP	Bare	Above Ground	109087543	6.369560817	6.369542935	\$	105.59	\$	673
109623627	2020-09-21 12:00:00 E	xisting	4 STW	HP	Bare	Above Ground	109087543	6.366366034	6.366372592	\$	105.59	\$	672
179274418			4 STW	HP	Bare	Direct Bury			5.452674559	\$	105.59	\$	576
179258025	E	xisting	4 STW	HP	Bare	Direct Bury		5.197103505	5.197125222	\$	105.59	\$	549
237457959	1960-01-01 12:00:00 E		4 STW	HP	Bare	Direct Bury	60S323		4.968894571	Ś	105.59	Ś	525
237443758	2007-03-15 12:00:00 E		4 STW	HP	Bare	Direct Bury	109025043		4.759831746	\$	105.59	Ś	503
237444452			75 STW	HP	Bare	Direct Bury		3300-112	8.00117618	Š		Ś	1.549
	2007-11-14 12:00:00 E		75 STW	HP	Bare	Direct Bury	108526097	5.738989657	5.739010115	Ś		Ś	1,111
Total Replacem		ALISCHIE U.	, J 31 W		Ddl C	Direct Bury	100320037	J./30707U3/	3.733010113	ې	133.01		320,751
. Julia Mepiacell	icin Cost											دردد ب	,_0,/31

			lominal		_			ethod Pse Job Num STLength() Unit Cost						
1d			Diameter			Internal Coating	Install Method		um S	<u> </u>				23 Cost
107514758	1/1/1956 12:00	_		STW	HP	Bare	Direct Bury	56-124		6.378707		741.66	\$	4,731
107892051 110942286	1/1/1956 12:00 I 1/1/1956 12:00 I	-		STW STW	HP HP	Bare Bare	Direct Bury Direct Bury	56-124 56-124		653.387833 503.901591			\$ \$	484,593 373,724
111007176	1/1/1956 12:00			STW	HP	Bare	Direct Bury	56-124		1082.920132			\$	803,160
111007170	1/1/1956 12:00	-		STW	HP	Bare	Direct Bury	56-124		684.000044			\$	507,296
111007303	1/1/1956 12:00	•		STW	HP	Bare	Direct Bury	56-124		150.343448			\$	111,504
111007319	1/1/1956 12:00	_		STW	HP	Bare	Direct Bury	56-124					\$	185,518
111007509	1/1/2003 12:00	Existing	16	STW	HP	Bare	Direct Bury	10900	1662	432.378743	\$	741.66	\$	320,679
111007655	1/1/1956 12:00	Existing	16	STW	HP	Bare	Direct Bury	56-124		23.927476	\$ 7	741.66	\$	17,746
111008359	1/1/2003 12:00	Existing	16	STW	HP	Bare	Direct Bury	10900	1662	1563.020382	\$	741.66	\$	1,159,232
111008499	1/1/1956 12:00	_		STW	HP	Bare	Direct Bury	56-124					\$	293,282
111008781	1/1/1956 12:00			STW	HP	Bare	Direct Bury	56-124		673.339659			\$	499,390
111008923	20455.5	-		STW	HP	Bare	Direct Bury	56-124		44.398044			\$	32,928
111009286	1/1/1956 12:00	_		STW	HP	Bare	Direct Bury	56-124		473.036844			\$	350,833
111009287 111009431	1/1/1956 12:00 I 1/1/1956 12:00 I	_		STW STW	HP HP	Bare Bare	Direct Bury Direct Bury	56-124 56-124		55.61187 1179.90607			\$ \$	41,245 875,091
111009431	1/1/1956 12:00	_		STW	HP	Bare	Direct Bury	56-124		601.608221			\$	446,190
111009483	1/1/1956 12:00	_		STW	HP	Bare	Direct Bury	56-134		30.15774			\$	22,367
111010167	1/1/1956 12:00			STW	HP	Bare	Direct Bury	56-124		1189.67993			\$	882,340
111010107	1/1/1956 12:00	_		STW	HP	Bare	Direct Bury	56-134		38.513773			\$	28,564
111010376	1/1/1956 12:00			STW	HP	Bare	Direct Bury	56-124		15.626464			\$	11,590
111010439	20455.5		16	STW	HP	Bare	Direct Bury	5	6124	30.38851	\$ 7	741.66	\$	22,538
111010692	1/1/1956 12:00	Existing	16	STW	HP	Bare	Direct Bury	56-134		2724.147716	\$	741.66	\$	2,020,395
111010796	1/1/1956 12:00	Existing	16	STW	HP	Bare	Direct Bury	5	6124	1634.809108	\$	741.66	\$	1,212,475
111011155	1/1/1956 12:00	Existing	16	STW	HP	Bare	Direct Bury		124	31.333906	\$ 7		\$	23,239
111011163	20455.5 1	_		STW	HP	Bare	Direct Bury		124	1226.757147			\$	909,838
111044670	1/1/1956 12:00	-		STW	HP	Bare	Direct Bury	56-124		495.754004			\$	367,682
	11/22/2022 12:00			STW	HP	Bare	Joint Trench	10911		23.001349			\$	17,059
	11/22/2022 12:00	_		STW	HP HP	Bare	Joint Trench	10911 10911		15.000367 7.002919			\$	9,208
	11/22/2022 12:00 I 11/22/2022 12:00 I	-		STW STW	HP	Bare Bare	Joint Trench Joint Trench	10911		2749.732739			\$ \$	5,194 1,687,954
	11/22/2022 12:00 1			STW	HP	Bare	Joint Trench	10911					\$	8,900
	11/22/2022 12:00 1			STW	HP	Bare	Joint Trench	10911		15.000575			\$	9,208
237067412	1/1/1956 12:00	_		STW	HP	Bare	Direct Bury	56-124		44.87384			\$	33,281
237068313	1/1/1956 12:00	_	16	STW	HP	Bare	Direct Bury	56-124		73.434254			\$	54,463
237068744	1/1/1956 12:00	Existing	16	STW	HP	Bare	Direct Bury	56-124		907.097492	\$	741.66	\$	672,759
237069283	1/1/1956 12:00	Existing	16	STW	HP	Bare	Direct Bury	56-124		10.51514	\$	741.66	\$	7,799
237069285	1/1/1956 12:00	Existing	16	STW	HP	Bare	Direct Bury	56-124		1575.838944	\$ 7	741.66	\$	1,168,739
237069410	1/1/2003 12:00	Existing	16	STW	HP	Bare	Direct Bury	10900		15.838858	\$		\$	11,747
237069984	1/1/2003 12:00	_		STW	HP	Bare	Direct Bury		1662				\$	1,093,287
237070127	1/1/1956 12:00			STWI	HP	Bare	Insert	56-124		36.00835			\$	26,706
237070196	1/1/1956 12:00	_		STW	HP	Bare	Direct Bury	56-124		571.471437			\$	423,838
237071003 237071292	1/1/1956 12:00			STW	HP HP	Bare Bare	Direct Bury	56-124 10900	1662	11.001731 44.488397			\$ \$	8,160 32,995
237071292	37622.5 I 1/1/1956 12:00 I	_		STWI STW	HP	Bare	Insert Direct Bury	56-124	1002	134.30717			\$	99,610
237071032	1/1/2003 12:00	-		STW	HP	Bare	Direct Bury	10900	1662	3.169495			\$	2,351
237072724	1/1/2003 12:00	-		STW	HP	Bare	Direct Bury	10900		582.309457			\$	431,876
237072747	1/1/1956 12:00	-		STW	HP	Bare	Direct Bury	56-124		94.324798			\$	69,957
237073510	1/1/1956 12:00	-		STWI	HP	Bare	Insert		6124	33.605806			\$	24,924
237074566	1/1/1956 12:00	Existing	16	STW	HP	Bare	Direct Bury	56-124		849.84858	\$	741.66	\$	630,300
237074590	1/1/2003 12:00 1	Existing	16	STW	HP	Bare	Direct Bury	10900	1662	344.67142	\$	741.66	\$	255,630
237075215	1/1/1956 12:00			STW	HP	Bare	Direct Bury	56-124		23.003188			\$	17,061
237076602	1/1/2003 12:00 1	_		STW	HP	Bare	Direct Bury	10900		421.699187			\$	312,758
237076666	1/1/2003 12:00	-		STW	HP	Bare	Direct Bury	10900	1662	694.346903		741.66		514,970
237076862	1/1/1956 12:00	_		STW	HP	Bare	Direct Bury	56-124		637.76022			\$	473,002
237077851	1/1/1956 12:00	_		STW	HP	Bare	Direct Bury		5124	2278.477024			\$	1,689,859
237078332	1/1/1956 12:00			STW	HP ⊔D	Bare	Direct Bury	56-124	C124	14.597031			\$	10,826
237078649 237079375	1/1/1956 12:00   1/1/1956 12:00	_		STWI	HP HP	Bare Bare	Insert Direct Bury	56-124	6124	88.670253 12.201582		741.66 741.66		65,763 9,049
237079373	1/1/1956 12:00			STW	HP	Bare	Direct Bury	56-124		60.1934			\$ \$	44,643
237080330	1/1/1956 12:00 1	-		STW	HP	Bare	Direct Bury	56-134		20.695819		741.66		15,349
237081583	1/1/1956 12:00 1			STWI	HP	Bare	Insert	56-124		39.489504		741.66		29,288
237082416	1/1/1956 12:00	_		STW	HP	Bare	Direct Bury	56-124		16.81928		741.66		12,474
237085988	1/1/1956 12:00			STW	HP	Bare	Direct Bury		6124	1586.671827		741.66		1,176,773
237086141	1/1/2003 12:00		16	STW	HP	Bare	Direct Bury	10900	1662	36.163952			\$	26,821
237087951	1/1/1956 12:00	Existing	16	STW	HP	Bare	Direct Bury		6124	974.511017	\$	741.66	\$	722,757
237088415	1/1/2003 12:00	_		STW	HP	Bare	Direct Bury	10900	1662	304.421912		741.66		225,778
237088827	1/1/1956 12:00			STW	HP	Bare	Direct Bury	56-124		73.641212		741.66		54,617
237088833	20455.5	_		STW	HP	Bare	Direct Bury	56-124		403.923424		741.66		299,574
237089488	1/1/1956 12:00			STW	HP	Bare	Direct Bury	56-124		4.505827		741.66		3,342
237089856	20455.5			STW	HP	Bare	Direct Bury	56-124		5.42		741.66		4,019
237090920	20455.5			STW	HP ⊔D	Bare	Direct Bury	56-124	1662	287.322878		741.66		213,096
237091092 237091481	37622.5 I	_		STW	HP HP	Bare Bare	Direct Bury	10900 56-124	1007	1270.002039 14.01845		741.66 741.66	\$ \$	941,912 10,397
237091481	20455.5 I 20455.5 I			STW	HP	Bare Bare	Direct Bury Direct Bury	50-124	124	73.382351		741.66 741.66		54,425
237091831	20455.5 1			STWI	HP	Bare	Insert	56-124	144	37.688082		741.66		27,952
237091831	37622.5	_		STW	HP	Bare	Direct Bury	10900	1662	14.559247		741.66		10,798
237092138	20455.5 1	_		STWI	HP	Bare	Insert	56-124	_002	7.524734		741.66		5,581
237926197	37622.5			STW	HP	Bare	Direct Bury	10900	1662	1069.19441		741.66		792,980
111101166	45233.5			STW	HP	Bare	Direct Bury	10913		32.99917		741.66		24,474
111101167	20455.5			STW	HP	Bare	Direct Bury	56-124		212.697329		741.66		157,749

111101172 111101173	45233.5 Existing 20455.5 Existing	16 STW 16 STW	HP HP	Bare Bare	Direct Bury Direct Bury	109137862 56-124	35.000152 \$ 11.992957 \$	741.66 741.66	•	25,958 8,895
111101174	45233.5 Existing	16 STW	HP	Bare	HDD = Horizontal Directional Drill	109137862	528.973814 \$	741.66	\$	392,319
111101180	45233.5 Existing	16 STW	HP	Bare	Direct Bury	109137862	35.000352 \$	741.66	\$	25,958
111101181	45233.5 Existing	16 STW	HP	Bare	Direct Bury	109137862	3.087697 \$	741.66	\$	2,290
111101185	20455.5 Existing	16 STW	HP	Bare	Direct Bury	56-124	12.025411 \$	741.66	\$	8,919
111167452	20455.5 Existing	16 STW	HP	Bare	Direct Bury	56-124	544.227633 \$	741.66	\$	403,633
Total Replacemen	nt Cost								\$	27,610,179

Puget Sound Energy 2024 Gas General Rate Case (Dockets UE-240004 & UG-240005) Account 376, Costs by Size and Type (2023\$), as of June 30, 2023 Test Year Ended June 30, 2023

			Costs by Type				
Group	Size		2023 \$	<b>Total Quantity</b>	Size	U	nit Cost
а	1.125 PE	\$	4,390,049	80,580		\$	54.48
а	1.25 PE	\$	284,969,613	11,044,474		\$	25.80
b	2 PE	\$	1,340,468,091	28,589,095		\$	46.89
b	3 PE	\$	4,290,657	62,856		\$	68.26
С	4 PE	\$	490,404,819	6,223,279		\$	78.80
С	6 PE	\$	427,491,263	2,945,579		\$	145.13
С	8 PE	\$	220,338,250	1,004,974		\$	219.25
а	.75-1.75 ST	\$	5,615	29	0.75	\$	193.61
а	1.25 ST	\$	520,265,510	13,055,334	1.25	\$	39.85
b	2 ST	\$	225,352,776	3,505,918	2.00	\$	64.28
b	3 ST	\$	1,254,631	12,173	3.00	\$	103.07
С	4 ST	\$	294,038,331	2,784,666	4.00	\$	105.59
С	6 ST	\$	333,500,473	1,870,166	6.00	\$	178.33
С	8 ST	\$	292,310,531	802,910	8.00	\$	364.06
С	12 ST	\$	420,651,289	753,575	12.00	\$	558.21
С	16 ST	\$	616,808,678	831,658	16.00	\$	741.66
С	20 ST \$ 24,089,141		24,089,141	39,242	20.00	\$	613.86
	Total	\$	5,500,629,717	73,606,508			

# Puget Sound Energy 2024 General Rate Case

# **AWEC DATA REQUEST NO. 081:**

**RE: Cost of Service Study** 

Please refer to Exhibit LDK-1T at 33. Does PSE agree that if a COSS indicates that a schedule has a parity ratio of 1, and the Commission finds that a rate increase is warranted, it is fair to increase the schedules rate by the average rate increase? If no, why not?

# Response:

If a cost of service study shows that a customer class has a parity ratio of 1, it would typically be equitable to apply the average system rate increase to that class. However, additional factors—such as the cost allocation methodology and any other regulatory considerations or WAC rules—must be evaluated before determining the appropriateness of applying an average system increase. For a more detailed discussion of rate design principles that can impact proposals for rate class increases please see the direct testimony of John D. Taylor Exhibit-JDT-1T at pages 25 and 26.

# Puget Sound Energy 2024 General Rate Case

# **AWEC DATA REQUEST NO. 083:**

**RE: Cost of Service Study** 

Please refer to Exhibit JDT-11 (Rate Des Sum) cells I52-I57. Please explain why a 21 percent rate decrease is warranted for Schedule 88T in 2026.

# Response:

For Schedule 88T, the revenue proposed in Rate Year 1 is a 300 percent increase that takes them to parity. For Rate Year 2, the reason for a slight decrease, even though the revenues are identical is due to an increase in forecasted volumes from 39,295,144 therms to 51,695,658 therms, a 32 percent increase, resulting in a lower volumetric rate while maintaining revenue neutrality for the class.

# Dockets UE-240004 & UG-240005 Puget Sound Energy 2024 General Rate Case

# **AWEC DATA REQUEST NO. 085:**

**RE: Cost of Service Study** 

Please refer to JDT-10 E-Summary of Results (PSE) and Exhibit JDT-11 (Rate Spread):

- a. What year of costs are reflected in JDT-10 E-Summary of Results (PSE)?
- b. Is the target revenue for Schedule 88T in Rate Year 1 and Rate Year 2 in Exhibit JDT-11 (Rate Spread), lines 8 and 20, calculated as the difference between line 10 (row 21) of JDT-10 E-Summary of Results(PSE) and revenue at current rates in lines 4 and 16 (rows 12 and 25) of Exhibit JDT-11 (Rate Spread)? If no, please explain how the target revenue is calculated.
- c. Please confirm that PSE does not allocate the revenue delta on lines 9 and 21 of Exhibit JDT-11 (Rate Spread) to Schedule 88T.
- d. Please refer to the attachment AWEC Data Request 85 Attachment 1. Please confirm that the attachment sets all rate schedules to cost in a similar manner as PSE proposes for Schedule 88T. If not confirmed, please explain the difference, and provide a version of Exhibit JDT-11 where PSE's rate spread for Schedule 88T is applied to all schedules.
- e. Please confirm that if PSE's proposed treatment for Schedule 88T is applied to all schedules, revenues will fall short of PSE's revenue requirement in Rate Year 1 by \$125 million and in Rate Year 2 by \$150 million. If not confirmed, provide the revenue that would result in each rate year if the treatment for Schedule 88T is applied to all customers.

#### Response:

a. The test year costs for the twelve-month period that ended June 30, 2023, are reflected in the Second Exhibit to the Prefiled Rebuttal Testimony of John D. Taylor, Exh. JDT-10, tab JDT-10 E-Summary of Results (PSE). This is because the underlying allocators, such as demand, remain relatively stable for the outer years. Additionally, the relationship between the type of expenses and revenues associated with PSE's proportional allocation method remains consistent. As a

PSE's Response to AWEC Data Request No. 085

Date of Response: October 18, 2024

Person who Prepared the Response: Paul Schmidt

Witness Knowledgeable About the Response: John D. Taylor

- result, it is not feasible to perform a customer-specific cost of service analysis for Rate Years 1 and 2, as customers' contract demand and other behaviors could change in the outer years, potentially affecting the results of the cost of service and parity ratios. However, subsequent general rate cases will capture any changes in customer behavior and restore the accuracy of the cost of service and parity ratios for those customers in the long run.
- b. Correct, the target revenue for Schedule 88T in Rate Year 1 and Rate Year 2, reflected in the Third Exhibit to the Prefiled Rebuttal Testimony of John D. Taylor, Exh. JDT-11, tab JDT-10 (Rate Spread) lines 8 and 20, is calculated as the difference between JDT-10 E-Summary of Results (PSE), line 10 (row 21), and the revenue at current rates in Exhibit JDT-11, lines 4 and 16 (rows 12 and 25).
- c. Correct, Puget Sound Energy ("PSE") does not allocate the revenue delta from Exhibit JDT-11, tab JDT-11 (Rate Spread), lines 9 and 21, to Schedule 88T, as it is proposing to move Schedule 88T to its exact cost to serve (parity ratio of 1.00).
- d. AWEC provided the attachment in AWEC Data Request No. 085, which appears to set all rate schedules to cost in a similar manner to PSE's proposal for Schedule 88T. However, without access to the underlying calculations and detailed cost of service study, it is impossible to confirm this with certainty. To confirm, the answer is both "yes" and "no". Yes, it appears that the attachment sets rate schedules to cost in a similar manner to PSE's proposal for Schedule 88T. However, no, it is worth noting that the attachment appears to utilize PSE's WAC compliance cost of service, rather than the cost of service that PSE relied upon, which had a rule exemption.
- e. Correct, if PSE's proposed treatment for Schedule 88T were applied to all schedules, it would result in a significant revenue shortfall. Specifically, it would cause revenues to fall short of PSE's revenue requirement in Rate Year 1 by \$125 million and Rate Year 2 by \$150 million. However, this approach is not justified because Schedule 88T is a unique case. Similar to a Special Contract class, the infrastructure was directly allocated to the single Schedule 88T customer, along with its proportional operating costs, has already covered all the costs to serve this customer; especially since there are not upgrades or additional plant requiring direct assignment for this customer class. In contrast, the other classes do not have the same level of cost recovery and direct assignment, and applying this treatment to all schedules would exacerbate the revenue shortfalls associated with serving these other classes.

# Dockets UE-240004 & UG-240005 **Puget Sound Energy** 2024 General Rate Case

# **AWEC DATA REQUEST NO. 086:**

**RE: Cost of Service Study** 

Please also refer to Exhibit JDT-8T at 21, Table 2. Please provide all workpapers and calculations underlying this table.

# Response:

See Attachment A to Puget Sound Energy's ("PSE") Response to AWEC Data Request No. 086 as part of PSE's response. The column "Total" represents the Company's proposed revenue of \$783,493,199 multiplied by the overall system increase times each class's multiple of system increase found in AWEC Table 8.

# ATTACHMENT A to PSE's Response to AWEC Data Request No. 086

	PSE / Staff		% o	f Total	Public	Counsel	% of	Total	Nι	icor	% of Total		
	RY1	RY2	RY1	RY2	RY1	RY2	RY1	RY2	RY1	RY2	RY1	RY2	
Residential	524,713,931	537,674,349	67.0%	66.7%	524,136,077	537,379,088	66.9%	66.6%	525,204,592	538,259,201	67.0%	66.8%	
Comm. & Indus.	198,208,289	206,177,202	25.3%	25.6%	198,199,613	205,709,071	25.3%	25.5%	198,439,235	206,454,540	25.3%	25.6%	
Large Volume	33,959,553	35,104,225	4.3%	4.4%	34,480,127	35,604,126	4.4%	4.4%	33,995,979	35,147,827	4.3%	4.4%	
Interruptible	14,085,787	14,470,166	1.8%	1.8%	8% 14,085,170 14,437,312 1.8% 1.8% 13,479,310 1		13,807,472	1.7%	1.7%				
Limited Interruptible	1,585,588	1,584,522	0.2%	0.2%	1,585,539	1,581,963	0.2%	0.2%	1,559,490	1,556,516	0.2%	0.2%	
Non-Exclusive Interruptible	8,733,309	9,016,040	1.1%	1.1%	8,135,240	8,342,349	1.0%	1.0%	7,785,311	7,978,408	1.0%	1.0%	
Exclusive Interruptible	516,784	516,784	0.1%	0.1%	1,181,475	1,489,380	0.2%	0.2%	1,339,325	1,339,325	0.2%	0.2%	
Contracts	1,689,959	1,826,835	0.2%	0.2%	1,689,959	1,826,835	0.2% 0.2%		1,689,959	1,826,835	0.2%	0.2%	
Total	783,493,199	806,370,124	100.0%	100.0%	783,493,199	806,370,124	100%	100%	783,493,199	806,370,124	100.0%	100.0%	

				1)		<b>2</b> )	(3)			
	PSE /	Staff	Public (	Counsel	Nu	cor	AW	/EC		
	Revenues	% of Total								
Residential (16,23,53)	524,714	67.0%	524,136	66.9%	525,205	67.0%	532,806	68.0%		
Comm. & Indus. (31,31T)	198,208	25.3%	198,200	25.3%	198,439	25.3%	194,355	24.8%		
Large Volume (41,41T)	33,960	4.3%	34,480	4.4%	33,996	4.3%	32,363	4.1%		
Interruptible (85, 85T)	14,086	1.8%	14,085	1.8%	13,479	1.7%	13,812	1.8%		
Limited Interruptible (86, 86T)	1,586	0.2%	1,586	0.2%	1,559	0.2%	1,305	0.2%		
Non-Exclusive Interruptible (87, 87T)	8,733	1.1%	8,135	1.0%	7,785	1.0%	5,713	0.7%		
Exclusive Interruptible (88T)	517	0.1%	1,181	0.2%	1,339	0.2%	1,571	0.2%		
Contracts	1,690	0.2%	1,690	0.2%	1,690	0.2%	1,567	0.2%		
Total	783,493	100.0%	783,493	100.0%	783,493	100.0%	783,493	100.0%		

- (1) Dismukes Exhibit DED-8 (2) Nucor WP 240004-05-PSE-WP-JDT-5-GAS-RATE-SPREAD-DESIGN-24GRC-02-2024
- (3) AWEC's revenue apportionment was calculated using its proposed rate spread (Table 8) to PSE's revenue requirement

	Average of All	Parties
	Revenues	% of Total
Residential (16,23,53)	526,715	67.2%
Comm. & Indus. (31,31T)	197,301	25.2%
Large Volume (41,41T)	33,700	4.3%
Interruptible (85, 85T)	13,866	1.8%
Limited Interruptible (86, 86T)	1,509	0.2%
Non-Exclusive Interruptible (87, 87T)	7,592	1.0%
Exclusive Interruptible (88T)	1,152	0.1%
Contracts	1,659	0.2%
Total	783,493	100.0%

Puget Sound Energy 2024 Gas General Rate Case (Dockets UE-240004 & UG-240005) Gas Rate Spread & Design Rate Spread

												L	imited	N	Ion-Exclusive				
Line			Total	F	Residential	Co	mm. & Indus.	Larg	e Volume	Inte	rruptible (85,	Interr	uptible (86,	In	terruptible (87,		Exclusive		
No.	Description	Total	Check		(16,23,53)		(31,31T)	(4	I1,41T)		85T)		86T)		87T)	Inte	erruptible (88T)	Co	ntracts
	(a)	(b)	(c)		(d)		(e)		(f)		(g)		(h)		(i)		(j)		(k)
1	GCOS Parity Ratio	1.00			1.09		0.81		0.93		0.83		1.29		1.47		1.15		2.26
2	Targeted Multiple of System Increase				0.90		1.25		1.10		1.25		0.75		1.50		-		-
3	Base Deficiency Allocation - Rate Year 1																		
4	Revenue at Current Rates	\$ 535,878,245	-	\$	370,022,539	\$	125,397,647	\$	22,475,459	\$	8,911,456	\$	1,175,918	\$	5,147,033	\$	1,181,475 \$		1,566,717
5	Base Deficiency	\$ 247,614,954																	
6	Percent Increase Excluding Contracts & Sch. 88T	46.45%																	
7	Targeted Percent Increase				41.80%		58.06%		51.09%		58.06%		34.83%	•	69.67%		0.00%		0.00%
8	Targeted Revenue Increase	\$ 247,585,382	-	\$	154,672,958	\$	72,801,966	\$	11,482,725	\$	5,173,714	\$	409,621	\$	3,585,848	\$	(664,691) \$		123,241
9	Delta	\$ 29,572																	
10	Allocation of Delta	\$ 29,572	-	\$	18,434	\$	8,677	\$	1,369	\$	617	\$	49	\$	427				
11	Targeted Revenue Increase Incl. Delta	\$ 247,614,954	-	\$	154,691,392	\$	72,810,642	\$	11,484,094	\$	5,174,330	\$	409,670	\$	3,586,276	\$	(664,691) \$		123,241
12	Total Proposed Revenue	\$ 783,493,199	-	\$	524,713,931	\$	198,208,289	\$	33,959,553	\$	14,085,787	\$	1,585,588	\$	8,733,309	\$	516,784 \$		1,689,959
13	Percent Increase				41.81%		58.06%		51.10%		58.06%		34.84%	•	69.68%		-56.26%		7.87%
14	Multiple of System Increase				0.90		1.25		1.10		1.25		0.75		1.50		(1.21)		0.17
15	Base Deficiency Allocation - Rate Year 2																		
16	Revenue at Current Rates	\$ 533,404,884	-	\$	367,451,224	\$	125,457,111	\$	22,413,644	\$	8,804,976	\$	1,143,197	\$	5,087,802	\$	1,489,380 \$		1,557,550
17	Base Deficiency	\$ 272,965,240																	
18	Percent Increase Excluding Contracts & Sch. 88T	51.47%																	
19	Targeted Percent Increase				46.32%		64.34%		56.61%		64.34%		38.60%		77.20%		0.00%		0.00%
20	Targeted Revenue Increase	\$ 272,941,239	-	\$	170,208,196	\$	80,713,012	\$	12,689,468	\$	5,664,694	\$	441,286	\$	3,927,894	\$	(972,596) \$		269,285
21	Delta	\$ 24,001																	
22	Allocation of Delta	\$ 24,001	-	\$	14,929	\$	7,079	\$	1,113		497		39		345				
23	Targeted Revenue Increase Incl. Delta	\$ 272,965,240	-	\$	170,223,125	\$	80,720,091	\$	12,690,581	\$	5,665,191	\$	441,325		3,928,238	\$	(972,596) \$		269,285
24	Total Proposed Revenue	\$ 806,370,124	-	\$	537,674,349	\$	206,177,202	\$	35,104,225	\$	14,470,166	\$	1,584,522	\$	9,016,040	\$	516,784 \$		1,826,835
25	Percent Increase				46.33%		64.34%		56.62%		64.34%		38.60%	•	77.21%		-65.30%		17.29%
26	Multiple of System Increase				0.90		1.25		1.10		1.25		0.75		1.50		(1.27)		0.34

Note 1: Contracts rate changes are governed by the contract between PSE and company

Note 2: PSE is proposing to set Schedule 88T rates to cost to serve indicated by cost of service study.