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December 28, 2018

Public Utility Commission of Oregon
Filing Center
201 High Street SE, Suite 100
P.O. Box 1088
Salem, Oregon 97301

Re: Tariff Advice No. 18-13
Update to Charges and Credits under Rule H, New Service Attachments
and Distribution Line Installations or Alterations

Attention Filing Center:

Pursuant to ORS § 757.205, Idaho Power Company (“Idaho Power” or “Company”) hereby submits proposed cost updates to the charges and credits outlined in Rule H, New Service Attachments and Distribution Line Installations or Alterations (“Rule H”). This advice filing is similar to the annual filing Idaho Power submitted on February 9, 2018, and seeks to keep all charges and credits current with variations in actual costs. The following tariff sheets identify the proposed cost updates and language modifications:

Tenth Revised Sheet No. H-5	Cancelling	Ninth Revised Sheet No. H-5
Ninth Revised Sheet No. H-6	Cancelling	Eighth Revised Sheet No. H-6
Tenth Revised Sheet No. H-7	Cancelling	Ninth Revised Sheet No. H-7
Tenth Revised Sheet No. H-8	Cancelling	Ninth Revised Sheet No. H-8
Tenth Revised Sheet No. H-9	Cancelling	Ninth Revised Sheet No. H-9

The cost estimation methodology used to update the charges and credits is the same methodology the Company utilized in the prior year’s filing.

All proposed cost updates are summarized in the attachment to this advice filing. The charges are presented comparatively to the prior year’s filing where the charges are broken out by materials, labor, and cost of Company vehicles/equipment.

Overall, the proposed Rule H charges generally increased, primarily driven by increases in labor, vehicle, and material costs. However, the decrease in the general overhead rate from 15.00 percent to 12.00 percent partially offset the increases in the charges. Additionally, this year’s review of the costs associated with trench digging supports a decrease to the charges for Company Installed Underground Service. The

Single Phase and Three Phase allowances provided to customers as an offset to their upfront cost responsibility also increased by 3 percent and less than 1 percent, respectively.

More details on the primary drivers of the changes are provided below:

Material Costs

Overall, the cost of material has increased. The cost of the 1/0, 4/0, and 350 conductor increased by approximately 15 percent, 9 percent, and 6 percent, respectively, due to the increasing price of commodities (aluminum and copper). The majority of the other material costs also increased slightly.

Labor Costs

The construction labor rate increased from \$64.00 to \$66.00, which contributed to increases in the charges. Additionally, the Engineering Charge increased by approximately 1 percent; the 3 percent increase in the labor rate for the Company's Distribution Designers was partially offset by the decrease in the general overhead rate used to calculate the charge. The proposed Engineering Charge increased from \$73.00 to \$74.00 per hour.

Vehicle Costs

A line truck and bucket truck are the primary vehicles utilized to perform Rule H type work and the hourly rate for both vehicles increased from \$49.70 to \$50.99.

Trench Costs

Trench costs are included in the Underground Service Distance Charge for Company Installed 1/0, 4/0, and 350 underground cable. Prior years' filings included a fixed rate for trench costs, consisting of both a vehicle and labor component that was intended to align with the Company's contracted rate for trenching. In this year's filing, the Company reviewed the amount of underground work completed by the Company and the amount of underground work completed by third-party contractors, and is proposing a blended rate that more accurately reflects the average cost of trenching. Applying the average weighted cost per foot for both the Company and third-party contractors results in a decrease from \$3.09 per foot to \$2.48 per foot, or 20 percent. The decrease in the trenching component was partially offset by increases in material, labor, and vehicle costs. The impact to the Underground Service Distance Charge for Company Installed 1/0, 4/0, and 350 underground cable is a decrease of 6 percent, 6 percent, and 4 percent, respectively.

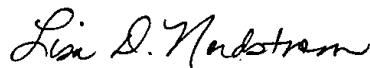
Single Phase and Three Phase Allowances

The allowances are provided as a credit to offset a portion of the upfront cost of distribution line installation paid for by customers pursuant to Rule H. The proposed updates to Company-funded allowance amounts increased slightly for both the Single Phase and Three Phase allowances, primarily driven by the increased cost of transformers partially offset by the decrease in overheads. The Company proposes to increase the Single Phase allowance from \$2,243 to \$2,301, or 3 percent, and the Three Phase allowance from \$5,345 to \$5,354, or less than 1 percent.

Idaho Power respectfully requests that the proposed updates are approved by February 26, 2019, and become effective March 15, 2019. This implementation period is necessary to update computer systems, prepare new communication materials, and train personnel.

If you have any questions regarding this tariff advice, please contact Regulatory Analyst Grant Anderson at 388-6498 or ganderson@idahopower.com.

Sincerely,



Lisa D. Nordstrom

LDN:kkt

Enclosures

Oregon Summary of Changes

	Existing 2018	Proposed 2019	Difference	
			\$	%
Underground Service Attachment Charges				
(Rule H Section 4.b.i)				
<u>Base Charge</u>				
Underground	\$ 22.00	\$ 22.00	\$ -	0%
2" riser	\$ 551.00	\$ 570.00	\$ 19.00	3%
3" riser	\$ 790.00	\$ 827.00	\$ 37.00	5%
<u>Distance Charge (per foot)</u>				
Company Installed				
1/0	\$ 9.82	\$ 9.25	\$ (0.57)	(6%)
4/0	\$ 10.47	\$ 9.88	\$ (0.59)	(6%)
350	\$ 12.53	\$ 11.98	\$ (0.55)	(4%)
Customer Provided Trench & Conduit				
1/0	\$ 3.13	\$ 3.26	\$ 0.13	4%
4/0	\$ 3.78	\$ 3.88	\$ 0.10	3%
350	\$ 5.14	\$ 5.24	\$ 0.10	2%
Other Charges				
(Rule H Section 6)				
Engineering Charge	\$ 73.00	\$ 74.00	\$ 1.00	1%
Overhead Service Attachment Charge for Non-Residence	\$ 235.00	\$ 236.00	\$ 1.00	0%
Temporary Service Attachment Charge				
Underground	\$ 57.00	\$ 57.00	\$ -	0%
Overhead	\$ 235.00	\$ 236.00	\$ 1.00	0%
Temporary Service (Overhead or Underground), Overhead Permanent, and Customer Provided				
Trench Inspection Return Trip Charge	\$ 57.00	\$ 57.00	\$ -	0%
Underground Service Return Trip Charge	\$ 94.00	\$ 94.00	\$ -	0%
Line Installation and Service Attachment Allowances				
(Rule H Section 7.a)				
Residential				
Schedule 1	\$ 2,243.00	\$ 2,301.00	\$ 58.00	3%
Schedules 7, 9, 24				
Single Phase	\$ 2,243.00	\$ 2,301.00	\$ 58.00	3%
Three Phase	\$ 5,345.00	\$ 5,354.00	\$ 9.00	0%
General Overheads	15.00%	12.00%		

Oregon

Rule H: New Service Attachments and Distribution Line Installations or Alterations 2019 Update to Charges and Credits

All costs were calculated using the Company's Asset Suite inventory and cost program. The same design number was used to provide a single design number for consistency and accuracy. A summary of all costs is shown below.

Design 133297

Design	<input type="text" value="0000133297"/>	Status=	<input type="text" value="PLAN"/>	<input type="text" value="12/19/2018"/>
Facility=	<input type="text" value="EDS"/>			
Description	<input type="text" value="RULE H OREGON 2019"/>			
Client/Act=	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Location=	<input type="text" value="WOR"/>	<input type="text" value="AROCK"/>	<input type="text" value="AROCK"/>	<input type="text"/>
Designer=	<input type="text" value="WFL8805"/>	Design Type	<input type="text" value="45"/>	
Reqd In Srvc=	<input type="text"/>	Service Type=	<input type="text"/>	
Service Rqst=	<input type="text"/>	Request Type=	<input type="text"/>	
Billing Rate	<input checked="" type="checkbox"/>	External Design Required	<input type="checkbox"/>	
Billing Template	<input type="text" value="ST"/>	Capital Project	<input checked="" type="checkbox"/>	<input type="text" value="RULEH OR"/>
Rate Category	<input type="text"/>	Project	<input type="text"/>	<input type="text"/>

[Locations](#) + [Description](#) - [Attributes](#) - [Contacts](#) - [Notes](#) - [Schedule](#) -

+ Design Version Details					
<input type="checkbox"/>	Version	Status	Description		Estimated Cost
<input type="checkbox"/>	001	PLAN	BASE CHARGE UG SERVICE 2019		\$22.03
<input type="checkbox"/>	002	PLAN	2" POLE RISER 2019		\$569.53
<input type="checkbox"/>	003	PLAN	3" POLE RISER 2019		\$826.55
<input type="checkbox"/>	004	PLAN	IPCO TRENCH 1/0 SERVICE 2019		\$1,124.38
<input type="checkbox"/>	005	PLAN	IPCO TRENCH 4/0 SERVICE 2019		\$1,187.03
<input type="checkbox"/>	006	PLAN	IPCO TRENCH 350 SERVICE 2019		\$1,396.57
<input type="checkbox"/>	007	PLAN	CUSTOMER TRENCH 1/0 SERVICE 2019		\$524.40
<input type="checkbox"/>	008	PLAN	CUSTOMER TRENCH 4/0 SERVICE 2019		\$587.05
<input type="checkbox"/>	009	PLAN	CUSTOMER TRENCH 350 SERVICE 2019		\$722.95
<input type="checkbox"/>	010	PLAN	TEMP UNDERGROUND 2019		\$57.46
<input type="checkbox"/>	011	PLAN	OH SERVICE NON-RESIDENCE & TEMP OH 2019		\$235.85
<input type="checkbox"/>	012	PLAN	RETURN TRIP TEMP OH/UG & PERM OH SERV & TRENCH		\$57.46
<input type="checkbox"/>	013	PLAN	UNDERGROUND RETURN TRIP 2019		\$94.42
<input type="checkbox"/>	014	PLAN	SINGLE PHASE ALLOWANCE 2019		\$2,301.03
<input type="checkbox"/>	015	PLAN	THREE PHASE ALLOWANCE 2019		\$5,353.98

Rule H: Section 4.b.i. Service Attachment Charges

Underground Service Attachment Charge – Base Charge From Underground:

Company Vehicles -	\$	5.72
Labor Cost -		14.78
Material Cost - Cable tag & tie		1.53
Total	\$	22.03
 Proposed Update -	 \$	 22.00

Design Version	0000133297 001	Status	PLAN	12/19/2018
Description	BASE CHARGE UG SERVICE 2019			
Designer	WFL8805	Service Type		
Billing Template	ST	Salvage	<input checked="" type="checkbox"/>	
Rate Category		External Cross Reference	0000133297001	
Estimated Cost	\$22.03	Transfer to Work Order		
Quote		Navigate to Work Order	<input checked="" type="checkbox"/>	
Quote Date		Retain Material Request	<input type="checkbox"/>	
CU Category		Cost Class	IPCO	
Design Task Type		Crew Type		
Crew Size	2	Work Hours	8.00	
Trip Time		Resource	PERS TRAVELCE	
Starting Point	0001			

Underground Service Attachment Charge – Base Charge
 From Overhead 2” Riser:

Company Vehicles -	\$ 77.10
Labor Cost -	194.40
Material Cost - 2” PVC conduit, 2” metal conduit 35 feet of 1/0 triplex cable for service nuts, bolts, brackets and washers	298.03
Total	\$ 569.53

Proposed Update - \$ 570.00

Design Version	0000133297 002	Status	PLAN	12/19/2018
Description	2" POLE RISER 2019			
Designer	WFL8805	Service Type		
Billing Template	ST RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category		External Cross Reference	0000133297002	
Estimated Cost	\$569.53	Transfer to Work Order		
Quote		Navigate to Work Order	<input checked="" type="checkbox"/>	
Quote Date		Retain Material Request	<input type="checkbox"/>	
CU Category		Cost Class	IPCO	
Design Task Type		Crew Type		
Crew Size	2	Work Hours	8.00	
Trip Time		Resource	PERS TRAVELCE	
Starting Point	0001			

Underground Service Attachment Charge – Base Charge From Overhead 3” Riser

Company Vehicles -	\$ 91.72
Labor Cost -	232.10
Material Cost - 3” PVC conduit, 3” metal conduit 35 feet of 4/0 triplex cable for service nuts, bolts, brackets and washers	502.73
Total	\$ 826.55

Proposed Update - \$ 827.00

Design Version	0000133297 003	Status	PLAN 12/19/2018
Description	3" POLE RISER 2019		
Designer	WFL8805	Service Type	
Billing Template	ST RULEH OR	Salvage	<input checked="" type="checkbox"/>
Rate Category		External Cross Reference	0000133297003
Estimated Cost	\$826.55	Transfer to Work Order	
Quote		Navigate to Work Order	<input checked="" type="checkbox"/>
Quote Date		Retain Material Request	<input type="checkbox"/>
CU Category		Cost Class	IPCO
Design Task Type		Crew Type	
Crew Size	2	Work Hours	8.00
Trip Time		Resource	PERS TRAVELCE
Starting Point	0001		

Underground Service Attachment Charge – Distance Charge
 Company Installed, 100 feet of 1/0 underground cable:
 (5 Man crew & 0.5 hours of travel time)

Company Vehicles -	\$ 139.92
Labor Cost -	513.74
Service trench & backfill 30" depth (100 feet)	
Service cable 1/0 (100 feet)	
2" conduit (100 feet)	
2" conduit 90 degree bend	
Material Cost -	192.96
Trench Cost -	277.76
Sub Total	\$ 1,124.38
Minus the cost of a 100 foot #2 triplex overhead service wire	<u>\$ (198.89)</u>
Total	\$ 925.49
Proposed Update -	\$ 9.25 /ft

Design Version	0000133297 004	Status	PLAN	12/19/2018
Description	IPCO TRENCH 1/0 SERVICE 2019			
Designer	WFL8805	Service Type		
Billing Template	ST RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category		External Cross Reference	0000133297004	
Estimated Cost	\$1,124.38	Transfer to Work Order		
Quote		Navigate to Work Order	<input checked="" type="checkbox"/>	
Quote Date		Retain Material Request	<input type="checkbox"/>	
CU Category		Cost Class	IPCO	
Design Task Type		Crew Type		
Crew Size	5	Work Hours	8.00	
Trip Time	.5	Resource	PERS TRAVELCE	
Starting Point	0001			

Overhead service credit used in all underground service attachment charges	
100 Feet Of Service Wire	
Company Vehicles -	\$ 28.56
Labor Cost -	110.88
Minus Travel	(36.96)
Material Cost -	96.41
Total	\$ 198.89

Underground Service Attachment Charge – Distance Charge
 Company Installed, 100 feet of 4/0 underground cable:
 (5 Man crew & 0.5 hours of travel time)

Company Vehicles -	\$ 139.92
Labor Cost -	513.74
Service trench & backfill 30" depth (100 feet)	
Service cable 4/0 (100 feet)	
2" conduit (100 feet)	
2" conduit 90 degree bend	
Material Cost -	255.61
Trench Cost -	277.76
Sub Total	\$ 1,187.03
Minus the cost of a 100 foot #2 triplex overhead service wire	\$ (198.89)
Total	\$ 988.14
Proposed Update -	\$ 9.88 /ft

Design Version	0000133297	005	Status	PLAN	12/19/2018
Description	IPCO TRENCH 4/0 SERVICE 2019				
Designer	WFL8805		Service Type		
Billing Template	ST	RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category			External Cross Reference	0000133297005	
Estimated Cost	\$1,187.03		Transfer to Work Order		
Quote			Navigate to Work Order	<input checked="" type="checkbox"/>	
Quote Date			Retain Material Request	<input type="checkbox"/>	
CU Category			Cost Class	IPCO	
Design Task Type			Crew Type		
Crew Size	5		Work Hours	8.00	
Trip Time	.5		Resource	PERS	TRAVELCE
Starting Point	0001				

Underground Service Attachment Charge – Distance Charge
 Company Installed, 100 feet of 350 underground cable:
 (5 Man crew & 0.5 hours of travel time)

Company Vehicles -	\$ 154.20
Labor Cost -	550.70
Service trench & backfill 30" depth (100 feet)	
Service cable 350 (100 feet)	
3" conduit (100 feet)	
3" conduit 90 degree bend	
Material Cost -	413.91
Trench Cost -	277.76
Sub Total	\$ 1,396.57
Minus the cost of a 100 foot #2 triplex overhead service wire	\$ (198.89)
Total	\$ 1,197.68
Proposed Update -	\$ 11.98 /ft

Design Version	<input type="text" value="0000133297"/> <input type="text" value="006"/>	Status	<input type="text" value="PLAN"/> <input type="text" value="12/19/2018"/>
Description	<input type="text" value="IPCO TRENCH 350 SERVICE 2019"/>		
Designer	<input type="text" value="WFL8805"/>	Service Type	<input type="text"/>
Billing Template	<input type="text" value="ST"/> <input type="text" value="RULEH OR"/>	Salvage	<input checked="" type="checkbox"/>
Rate Category	<input type="text"/>	External Cross Reference	<input type="text" value="0000133297006"/>
Estimated Cost	<input type="text" value="\$1,396.57"/>	Transfer to Work Order	<input type="text"/>
Quote	<input type="text"/>	Navigate to Work Order	<input checked="" type="checkbox"/>
Quote Date	<input type="text"/>	Retain Material Request	<input style="border: 1px dashed black;" type="text" value="?"/>
CU Category	<input type="text"/>	Cost Class	<input type="text" value="IPCO"/>
Design Task Type	<input type="text"/>	Crew Type	<input type="text"/>
Crew Size	<input type="text" value="5"/>	Work Hours	<input type="text" value="8.00"/>
Trip Time	<input type="text" value=".5"/>	Resource	<input type="text" value="PERS"/> <input type="text" value="TRAVELCE"/>
Starting Point	<input type="text" value="0001"/>		

Underground Service Attachment Charge – Distance Charge
 Customer provided trench & conduit, 100 feet of 1/0 underground cable:
 (2 Man crew & 0.5 hours of travel time)

Company Vehicles -	\$ 99.94
Labor Cost -	314.16
Material Cost - Service cable 1/0 (100 feet)	110.30
Sub Total	<u>\$ 524.40</u>
Minus the cost of a 100 foot #2 triplex overhead service wire	<u>\$ (198.89)</u>
Total	\$ 325.51
Proposed Update -	\$ 3.26 /ft

Design Version	0000133297	007	Status	PLAN	12/19/2018
Description	CUSTOMER TRENCH 1/0 SERVICE 2019				
Designer	WFL8805		Service Type		
Billing Template	ST	RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category			External Cross Reference	0000133297007	
Estimated Cost	\$524.40		Transfer to Work Order		
Quote					
Quote Date					
CU Category			Navigate to Work Order	<input checked="" type="checkbox"/>	
Design Task Type			Retain Material Request	<input type="checkbox"/>	
Crew Size	2		Cost Class	IPCO	
Trip Time	.5		Crew Type		
Starting Point	0001		Work Hours	8.00	
			Resource	PERS	TRAVELCE

Underground Service Attachment Charge – Distance Charge
 Customer provided trench & conduit, 100 feet of 4/0 underground cable:
 (2 Man crew & 0.5 hours of travel time)

Company Vehicles -	\$ 99.94
Labor Cost -	314.16
Material Cost - Service cable 4/0 (100 feet)	172.95
Sub Total	<u>\$ 587.05</u>
Minus the cost of a 100 foot #2 triplex overhead service wire	<u>\$ (198.89)</u>
Total	\$ 388.16
Proposed Update -	\$ 3.88 /ft

Design Version	0000133297	008	Status	PLAN	12/19/2018
Description	CUSTOMER TRENCH 4/0 SERVICE 2019				
Designer	WFL8805		Service Type		
Billing Template	ST	RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category			External Cross Reference	0000133297008	
Estimated Cost	\$587.05				
Quote					
Quote Date					
CU Category			Transfer to Work Order		
Design Task Type			Navigate to Work Order	<input checked="" type="checkbox"/>	
Crew Size	2		Retain Material Request	<input type="checkbox"/>	
Trip Time	.5		Cost Class	IPCO	
Starting Point	0001		Crew Type		
			Work Hours	8.00	
			Resource	PERS	TRAVELCE

Underground Service Attachment Charge – Distance Charge
 Customer provided trench & conduit, 100 feet of 350 underground cable:
 (2 Man crew & 0.5 hours of travel time)

Company Vehicles -	\$ 114.22
Labor Cost -	351.12
Material Cost - Service cable 350 (100 feet)	257.61
Sub Total	\$ 722.95
Minus the cost of a 100 foot #2 triplex overhead service wire	<u>\$ (198.89)</u>
Total	\$ 524.06
Proposed Update -	\$ 5.24 /ft

Design Version	<input type="text" value="0000133297"/> <input type="text" value="009"/>	Status	<input type="text" value="PLAN"/> <input type="text" value="12/19/2018"/>
Description	<input type="text" value="CUSTOMER TRENCH 350 SERVICE 2019"/>		
Designer	<input type="text" value="WFL8805"/>	Service Type	<input type="text"/>
Billing Template	<input type="text" value="ST"/> <input type="text" value="RULEH OR"/>	Salvage	<input checked="" type="checkbox"/>
Rate Category	<input type="text"/>	External Cross Reference	<input type="text" value="0000133297009"/>
Estimated Cost	<input type="text" value="\$722.95"/>	Transfer to Work Order	<input type="text"/>
Quote	<input type="text"/>	Navigate to Work Order	<input checked="" type="checkbox"/>
Quote Date	<input type="text"/>	Retain Material Request	<input style="border: 1px solid black; width: 20px; height: 15px;" type="text" value="?"/>
CU Category	<input type="text"/> <input type="text"/>	Cost Class	<input type="text" value="IPCO"/>
Design Task Type	<input type="text"/>	Crew Type	<input type="text"/>
Crew Size	<input type="text" value="2"/>	Work Hours	<input type="text" value="8.00"/>
Trip Time	<input type="text" value=".5"/>	Resource	<input type="text" value="PERS"/> <input type="text" value="TRAVELCE"/>
Starting Point	<input type="text" value="0001"/>		

Rule H: Section 6 Other Charges

b. Engineering Charge

2018 Wage Schedule - Senior Distribution Designer		\$	46.97	/hour
2018 Benefits (actual)	44.53%		20.92	/hour
2018 General Overhead (effective in Nov)	12.00%		5.64	/hour
Total		\$	73.52	/hour

Proposed Update - \$ 74.00 /hour

d. Overhead Service Attachment Charge for Non-Residence

Company Vehicles -		\$	28.56	
Labor Cost -			110.88	
Material Cost -				
100 ft #2 triplex, wedge clamps, nuts, bolts			96.41	
Total		\$	235.85	

Proposed Update - \$ 236.00

Design Version	0000133297	011	Status	PLAN	12/19/2018
Description	OH SERVICE NON-RESIDENCE & TEMP OH 2019				
Designer	WFL8805		Service Type		
Billing Template	ST	RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category			External Cross Reference	0000133297011	
Estimated Cost	\$235.85		Transfer to Work Order		
Quote					
Quote Date					
CU Category			Navigate to Work Order	<input checked="" type="checkbox"/>	
Design Task Type			Retain Material Request	<input type="checkbox"/>	
Crew Size	1		Cost Class	IPCO	
Trip Time	.5		Crew Type		
Starting Point	0001		Work Hours	8.00	
			Resource	PERS	TRAVELCE

g. Temporary Service Attachment Charge

i. Underground

	Company Vehicles -	\$ 5.72
	Labor Cost -	51.74
	Material Cost -	-
Total		\$ 57.46
Proposed Update -		\$ 57.00

Design Version	<input type="text" value="0000133297"/> <input type="text" value="010"/>	Status	<input type="text" value="PLAN"/> <input type="text" value="12/19/2018"/>
Description	<input type="text" value="TEMP UNDERGROUND 2019"/>		
Designer	<input type="text" value="WFL8805"/>	Service Type	<input type="text"/>
Billing Template	<input type="text" value="ST"/> <input type="text" value="RULEH OR"/>	Salvage	<input checked="" type="checkbox"/>
Rate Category	<input type="text"/>	External Cross Reference	<input type="text" value="0000133297010"/>
Estimated Cost	<input type="text" value="\$57.46"/>	Transfer to Work Order	<input type="text"/>
Quote	<input type="text"/>	Navigate to Work Order	<input checked="" type="checkbox"/>
Quote Date	<input type="text"/>	Retain Material Request	<input type="checkbox" value="?"/>
CU Category	<input type="text"/> <input type="text"/>	Cost Class	<input type="text" value="IPCO"/>
Design Task Type	<input type="text"/>	Crew Type	<input type="text"/>
Crew Size	<input type="text" value="1"/>	Work Hours	<input type="text" value="8.00"/>
Trip Time	<input type="text" value=".5"/>	Resource	<input type="text" value="PERS"/> <input type="text" value="TRAVELCE"/>
Starting Point	<input type="text" value="0001"/>		

g. Temporary Service Attachment Charge

ii. Overhead

	Company Vehicles -	\$ 28.56
	Labor Cost -	110.88
	Material Cost -	
	100 ft #2 triplex, wedge clamps, nuts, bolts	96.41
Total		\$ 235.85
Proposed Update -		\$ 236.00

Design Version	<input type="text" value="0000133297"/> <input type="text" value="011"/>	Status	<input type="text" value="PLAN"/> <input type="text" value="12/19/2018"/>
Description	<input type="text" value="OH SERVICE NON-RESIDENCE & TEMP OH 2019"/>		
Designer	<input type="text" value="WFL8805"/>	Service Type	<input type="text"/>
Billing Template	<input type="text" value="ST"/> <input type="text" value="RULEH OR"/>	Salvage	<input checked="" type="checkbox"/>
Rate Category	<input type="text"/>	External Cross Reference	<input type="text" value="0000133297011"/>
Estimated Cost	<input type="text" value="\$235.85"/>	Transfer to Work Order	<input type="text"/>
Quote	<input type="text"/>	Navigate to Work Order	<input checked="" type="checkbox"/>
Quote Date	<input type="text"/>	Retain Material Request	<input style="border: 1px solid black; width: 20px; height: 15px; vertical-align: middle;" type="text" value="?"/>
CU Category	<input type="text"/> <input type="text"/>	Cost Class	<input type="text" value="IPCO"/>
Design Task Type	<input type="text"/>	Crew Type	<input type="text"/>
Crew Size	<input type="text" value="1"/>	Work Hours	<input type="text" value="8.00"/>
Trip Time	<input type="text" value=".5"/>	Resource	<input type="text" value="PERS"/> <input type="text" value="TRAVELCE"/>
Starting Point	<input type="text" value="0001"/>		

h. Temporary Service (Overhead or Underground), Overhead Permanent and Customer Provided Trench Inspection Return Trip Charge

	Company Vehicles -	\$ 5.72
	Labor Cost -	51.74
Total		\$ 57.46
Proposed Update -		\$ 57.00

Design Version	0000133297	012	Status	PLAN	12/19/2018
Description	RETURN TRIP TEMP OH/UG & PERM OH SERV & TRENCH INSP 2019				
Designer	WFL8805		Service Type		
Billing Template	ST	RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category			External Cross Reference	0000133297012	
Estimated Cost		\$57.46	Transfer to Work Order		
Quote			Navigate to Work Order	<input checked="" type="checkbox"/>	
Quote Date			Retain Material Request	<input type="checkbox"/>	
CU Category			Cost Class	IPCO	
Design Task Type			Crew Type		
Crew Size	1		Work Hours	8.00	
Trip Time	.5		Resource	PERS	TRAVELCE
Starting Point	0001				

j. Underground Service Return Trip Charge

	Company Vehicles -	\$ 5.72
	Labor Cost -	88.70
Total		\$ 94.42
Proposed Update -		\$ 94.00

Design Version	0000133297 013	Status	PLAN	12/19/2018
Description	UNDERGROUND RETURN TRIP 2019			
Designer	WFL8805	Service Type		
Billing Template	ST	RULEH OR	Salvage	<input checked="" type="checkbox"/>
Rate Category		External Cross Reference	0000133297013	
Estimated Cost	\$94.42	Transfer to Work Order		
Quote		Navigate to Work Order	<input checked="" type="checkbox"/>	
Quote Date		Retain Material Request	<input type="checkbox"/>	
CU Category		Cost Class	IPCO	
Design Task Type		Crew Type		
Crew Size	2	Work Hours	8.00	
Trip Time	.5	Resource	PERS TRAVELCE	
Starting Point	0001			

Rule H: Section 7 Line Installation and Service Attachment Allowances

Allowances are based on the cost of providing and installing Standard Terminal Facilities for single phase and three phase services.

Single Phase Allowance:

Company Vehicles -		\$ 168.44
Labor Cost -		615.89
Material Cost - Wedge stirrup hot tap	29.42	
Switch arm	34.98	
Switch	126.41	
25 kVA transformer	1,161.26	
Transformer bussing	28.98	
Service wire - 125 feet	112.59	
Ground rod	18.07	
Neutral wedge connector	4.99	
	\$ 1,516.70	
Total Materials		\$ 1,516.70
Total		\$ 2,301.03
Proposed Update -		\$ 2,301.00

Design Version	0000133297 014	Status	PLAN	12/19/2018
Description	SINGLE PHASE ALLOWANCE 2019			
Designer	WFL8805	Service Type		
Billing Template	ST	RULEH OR	Salvage	<input checked="" type="checkbox"/>
Rate Category		External Cross Reference	0000133297014	
Estimated Cost	\$2,301.03		Transfer to Work Order	
Quote		Navigate to Work Order	<input checked="" type="checkbox"/>	
Quote Date		Retain Material Request	<input type="checkbox"/>	
CU Category		Cost Class	IPCO	
Design Task Type		Crew Type		
Crew Size	5	Work Hours	8.00	
Trip Time	.5	Resource	PERS	TRAVELCE
Starting Point	0001			

Three Phase Allowance:

Company Vehicles -		\$ 467.00
Labor Cost -		1,573.57
Material Cost -		
Wedge stirrup hot tap (3)	88.26	
Switch arm	259.39	
Switch (3)	340.81	
Transformer mount	155.91	
15 kVA transformer (3)	2,223.05	
Transformer bussing	69.21	
Service wire - 125 feet	153.72	
Ground rod	18.07	
Neutral wedge connector	4.99	
	\$3,313.41	
Total Materials		\$ 3,313.41
Total		\$ 5,353.98
Proposed Update -		\$ 5,354.00

Design Version	0000133297	015	Status	PLAN	12/19/2018
Description	THREE PHASE ALLOWANCE 2019				
Designer	WFL8805		Service Type		
Billing Template	ST	RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category			External Cross Reference	0000133297015	
Estimated Cost	\$5,353.98		Transfer to Work Order		
Quote			Navigate to Work Order	<input checked="" type="checkbox"/>	
Quote Date			Retain Material Request	<input type="checkbox"/>	
CU Category			Cost Class	IPCO	
Design Task Type			Crew Type		
Crew Size	5		Work Hours	8.00	
Trip Time	.5		Resource	PERS TRAVELCE	
Starting Point	0001				

RULE H
NEW SERVICE ATTACHMENTS AND
DISTRIBUTION LINE INSTALLATIONS
OR ALTERATIONS
 (Continued)

2. General Provisions (Continued)

I. Customer Provided Trench Digging and Backfill. The Company will at its discretion allow an Applicant, Additional Applicant or subdivider to provide trench digging and backfill. The Customer will sign a Memorandum of Agreement, detailing the work to be performed by the Customer and the specifications that must be met prior to the start of construction. The Applicant shall be responsible for the current and reasonable future costs associated with the Line Installation's conduit system, which may include, but is not limited to, the costs of trenching, boring, excavating, backfilling, ducts, raceways, road crossings, paving, vaults, transformer pads, and any required permits. The Company shall own and maintain the conduit system once Company conductors have been installed. In a joint trench, backfill must be provided by the Company. Costs of customer provided trench and backfill will be removed from or not included in the Cost Quote and will not be subject to refund.

3. Line Installation Charges

If a Line Installation is required, the Applicant or Additional Applicant will pay a partially refundable Line Installation Charge equal to the Work Order Cost less applicable Line Installation Allowances identified in Section 7.

4. Service Attachment Charges.

a. Overhead Service Attachment Charge. If an overhead Service Attachment is required, the Applicant or Additional Applicant will pay a non-refundable Service Attachment Charge equal to the Work Order Cost less applicable Service Attachment allowances identified in Section 7.

b. Underground Service Attachment Charge. Each Applicant or Additional Applicant will pay a non-refundable Underground Service Attachment Charge for attaching new Terminal Facilities to the Company's distribution system. The Company will determine the location and maximum length of service cable.

i. Single Phase 400 Amps or Less and Single Phase Self-Contained Multiple Meter Bases 500 Amps or Less

Underground Service Cable (Base charge plus Distance charge)

Base charge from:

underground	\$ 22.00	
overhead including 2" riser	\$570.00	(I)
overhead including 3" riser	\$827.00	(I)

Distance charge (per foot)

Company Installed Facilities with:

1/0 underground cable	\$ 9.25	(R)
4/0 underground cable	\$ 9.88	(R)
350 underground cable	\$ 11.98	(R)

Customer Provided Trench & Conduit with:

1/0 underground cable	\$ 3.26	(I)
4/0 underground cable	\$ 3.88	(I)
350 underground cable	\$ 5.24	(I)

RULE H
NEW SERVICE ATTACHMENTS AND
DISTRIBUTION LINE INSTALLATIONS
OR ALTERATIONS
(Continued)

4. Service Attachment Charges (Continued)

b. Underground Service Attachment Charge (Continued)

- ii. All Three Phase, Single Phase Greater Than 400 Amps, and Single Phase Self-Contained Multiple Meter Bases Greater Than 500 Amps. If a three phase, single phase greater than 400 amp, or single phase self-contained multiple meter base greater than 500 amp underground Service Attachment is required, the Applicant or Additional Applicant will pay a non-refundable Underground Service Attachment Charge equal to the Work Order Cost.

5. Vested Interest Charges.

Additional Applicants connecting to a vested portion of a Line Installation will pay a Vested Interest Charge to be refunded to the Vested Interest Holder. Additional Applicants will have two payment options:

Option One - An Additional Applicant may choose to pay an amount determined by this equation:

Vested Interest Charge = A x B x C where;

A = Load Ratio: Additional Applicant's Connected Load divided by the sum of Additional Applicant's Connected Load and Vested Interest Holder's load.

B = Distance Ratio: Additional Applicant's distance divided by original distance.

C = Vested Interest Holder's unrefunded contribution.

Option Two. An Additional Applicant may choose to pay the current Vested Interest, in which case the Additional Applicant will become the Vested Interest Holder and, as such, will become eligible to receive Vested Interest Refunds in accordance with Section 8.a.

If Option One is selected, the Additional Applicant has no Vested Interest and the previous Vested Interest Holder remains the Vested Interest Holder. The Vested Interest Holder's Vested Interest will be reduced by the newest Additional Applicant's payment.

The Vested Interest Charge will not exceed the sum of the Vested Interests in the Line Installation. If an Additional Applicant connects to a portion of a vested Line Installation which was established under a prior rule or schedule, the Vested Interest Charges of the previous rule or schedule apply to the Additional Applicant.

6. Other Charges

- a. Alteration Charges. If an Applicant or Additional Applicant requests a Relocation, Upgrade, Conversion or removal of Company facilities, the Applicant or Additional Applicant will pay a non-refundable charge equal to the Cost Quote.
- b. Engineering Charge. Applicants or Additional Applicants will be required to prepay all engineering costs for Line Installations, and/or . Alterations greater than 16 estimated hours. Estimates equal to or less than 16 hours will be billed to the Applicant or Additional Applicant as part of the construction costs, or after the engineering is completed in instances where construction is not requested. Engineering charges will be calculated at \$74.00 per hour.

(I)

RULE H
NEW SERVICE ATTACHMENTS AND
DISTRIBUTION LINE INSTALLATIONS
OR ALTERATIONS
(Continued)

6. Other Charges (Continued)

c. Joint Trench Charge. Applicants, Additional Applicants, and subdividers will pay the Company for trench and backfill costs included in the Cost Quote. In the event the Company is able to defray any of the trench and backfill costs by sharing a trench with other utilities, the cost reduction will be included in the Cost Quote.

d. Overhead Service Attachment Charge for Non-Residence. Applicants or Additional Applicants requesting service to a residential property (Schedule 1) for purposes other than serving a Residence will pay a service connection charge of \$236.00. This charge only applies to non-residences (shop, garage, etc) where there is an existing overhead transformer within 100' of the non-residence structure. (l)

e. Rights-of-Way and Easement Charge. Applicants or Additional Applicants will be responsible for any costs associated with the acquisition of rights-of-way or easements.

f. Temporary Line Installation Charge. Applicants or Additional Applicants will pay the installation and removal costs of providing Temporary Line Installations.

g. Temporary Service Attachment Charge. Applicants or Additional Applicants will pay for Temporary Service Attachments as follows:

i. Underground - \$57.00

The Customer-provided pole must be set within two linear feet of the Company's existing transformer or junction box.

ii. Overhead - \$236.00 (l)

The Customer-provided pole shall be set in a location that does not require more than 100 feet of #2 aluminum service conductor that can be readily attached to the permanent location by merely relocating it.

The electrical facilities provided by the Customer on the pole shall be properly grounded, electrically safe, meet all clearance requirements, and be ready for connection to Company facilities.

The Customer shall obtain all permits required by the applicable state, county, or municipal governments and will provide copies or verification to the Company as required. The above conditions must be satisfied before the service will be attached.

h. Temporary Service (Overhead or Underground), Overhead Permanent, and Customer Provided Trench Inspection Return Trip Charge. A Return Trip Charge of \$57.00 will be assessed each time Company personnel are dispatched to the job site at the customer's request, but are unable to connect the service due to action or inaction on the Customer's part. The charge will be billed after the conditions have been satisfied and the connection has been made.

RULE H
NEW SERVICE ATTACHMENTS AND
DISTRIBUTION LINE INSTALLATIONS
OR ALTERATIONS
(Continued)

6. Other Charges (Continued)

- i. Unusual Conditions Charge. Applicants, Additional Applicants, and subdividers will pay the Company the additional costs associated with any Unusual Conditions included in the Cost Quote. This payment, or portion thereof, will be refunded to the extent that the Unusual Conditions are not encountered.

In the event that the estimate of the Unusual Conditions included in the Cost Quote is equal to or greater than \$10,000, the Applicant, Additional Applicant or subdivider may either pay for the Unusual Conditions or may furnish an Irrevocable Letter of Credit drawn on a local bank or local branch office issued in the name of Idaho Power Company for the amount of the Unusual Conditions. Upon completion of that portion of the project which included an Unusual Conditions estimate, Idaho Power Company will bill the Applicant, Additional Applicant or subdivider for the amount of Unusual Conditions encountered up to the amount established in the Irrevocable Letter of Credit. The Applicant, Additional Applicant or subdivider will have 15 days from the issuance of the Unusual Conditions billing to make payment. If the Applicant, Additional Applicant or subdivider fails to pay the Unusual Conditions bill within 15 days, Idaho Power will request payment from the bank.

- j. Underground Service Return Trip Charge. When a residential Customer agrees to supply the trench, backfill, conduit, and compaction for an underground service, a Return Trip Charge of \$94.00 will be assessed each time the Company's installation crew is dispatched to the job site at the Customer's request, but is unable to complete the cable installation and energize the service due to action or inaction on the Customer's part.

7. Line Installation and Service Attachment Allowances

The Company will contribute an allowance toward the cost of the Terminal Facilities necessary for Line Installations and/or Service Attachments. Allowances are based on the cost of providing and installing Standard Terminal Facilities for single phase and three phase services.

- a. Allowances for Overhead and Underground Line Installations and Overhead Service Attachments

<u>Class of Service</u>	<u>Maximum Allowance per Service</u>	
Residential:		
Schedules 1	\$2,301.00	(l)
Non-residence	Cost of new meter only	
Non-residential:		
Schedules 7, 9, 24		
Single Phase	\$2,301.00	(l)
Three Phase	\$5,354.00	(l)

RULE H
NEW SERVICE ATTACHMENTS AND
DISTRIBUTION LINE INSTALLATIONS
OR ALTERATIONS
(Continued)

7. Line Installations and Service Attachment Allowances (Continued)

- b. Allowances for Subdivisions and Multiple Occupancy Projects. Developers of Subdivisions and Multiple Occupancy Projects will receive a \$2,301.00 allowance for each single phase transformer installed within a development and a \$5,354.00 allowance for each three phase transformer installed within a development. Subdividers will be eligible to receive allowances for Line Installations inside residential and non-residential subdivisions. (l)

8. Refunds

- a. Vested Interest Refunds. Vested Interest Refunds will be paid by the Company and funded by the Additional Applicant's Vested Interest Charge as calculated in accordance with Section 5. The initial Applicant will be eligible to receive refunds up to 80 percent of their original construction cost. Additional Applicants that become Vested Interest Holders will be eligible to receive refunds up to their total contribution less 20 percent of the original construction cost.

A Vested Interest Holder and the Company may agree to waive the Vested Interest payment requirements of Additional Applicants with loads less than an agreed upon level. Waived Additional Applicants will not be considered Additional Applicants for purposes of Section 8.a.i.a) below.

i. Vested Interest Refund Limitations

- a) Vested Interest Refunds will be funded by no more than 4 Additional Applicants during the 5-year period following the completion date of the Line Installation for the initial Applicant.
- b) In no circumstance will refunds exceed 100 percent of the refundable portion of any party's cash payment to the Company.

b. Subdivision Refunds

- i. Applicants will be eligible for Vested Interest Refunds for facilities installed inside Subdivisions if the construction was NOT part of the initial Line Installation. Customers requesting additional Line Installations within a Subdivision will be considered new Applicants and become eligible for Vested Interest Refunds.
- ii. A subdivider will be eligible for Vested Interest Refunds for payments for Line Installations outside the subdivision.