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January 27, 2017

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

Re: Tariff Advice No. 17-02
Update to Charges and Credits under Rule H, New Service Attachments and
Distribution Line Installations or Alterations

Attention Filing Center:

Pursuant to Oregon Revised Statute § 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. This advice filing is similar to the annual filing Idaho Power submitted on January 20, 2016, 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:

Eighth Revised Sheet No. H-5	Cancelling	Seventh Revised Sheet No. H-5
Seventh Revised Sheet No. H-6	Cancelling	Sixth Revised Sheet No. H-6
Eighth Revised Sheet No. H-7	Cancelling	Seventh Revised Sheet No. H-7
Eighth Revised Sheet No. H-8	Cancelling	Seventh Revised Sheet No. H-8
Eighth Revised Sheet No. H-9	Cancelling	Seventh 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.

In general, the proposed Rule H charges increased. Increases in labor and vehicle costs are the primary drivers for the changes, as well as the increase in the general overhead rate from 11.00 percent to 15.00 percent; however, an overall decrease in material costs partially offset the increases in the charges.

An explanation for the changes to the proposed Rule H charges is described in more detail below:

Material Costs

In its ongoing effort to purchase quality materials at reasonable prices, the Company changed material suppliers, resulting in an overall decrease in material costs. While most material costs decreased, the cost of the 4/0 conductor increased slightly.

The cost of the material in the Base Charge for the 3-inch riser increased due to the 4/0 conductor cost, as well as Idaho Power updating the size of the parallel groove connector used for this charge. The parallel groove connector is used to connect different sizes of conductor. The Company determined that the most common conductor used when installing the 3-inch riser with the 4/0 conductor required a slightly larger parallel groove connector than the groove connector that is currently included in the charge. The 4/0 conductor cost in the Base Charge for the 3-inch riser increased by approximately \$4.00 while the incremental costs associated with the groove connector increased by approximately \$7.00. The proposed Base Charge for the 3-inch riser of \$755.00 includes the increased costs for the larger parallel groove connector and the 4/0 conductor.

Conversely, the Company determined that the parallel groove connector used in the Overhead Service for Non-Residence and Temporary Service Attachment Charge, the Single Phase Allowance, and the Three Phase Allowance is most commonly the smaller parallel groove connector. Historically, Idaho Power has used both sizes of the parallel groove connectors when installing the Standard Terminal Facilities due to the various sizes of conductor connected with customers' weather heads. However, the Company has determined that the larger size of parallel groove connectors is no longer as common for the Overhead Service for Non-Residence and Temporary Service Attachment, Single Phase Allowance, and the Three Phase Allowance. The smaller parallel groove connectors are now the most common size used and are the only groove connectors included in the Overhead Service for Non-Residence and Temporary Service Attachment Charge, the Single Phase Allowance, and the Three Phase Allowance. The smaller groove connector results in savings of approximately \$8.00 for the Overhead Service for Non-Residence and Temporary Service Attachment Charge and Single Phase Allowance, and approximately \$9.00 for the Three Phase Allowance.

The Company was also able to find a more cost-effective clamp that connects the ground rod to the ground wire used in the Single Phase and Three Phase allowances. The Company determined that the Drive-on clamp and an A-corn clamp achieve the same results, but the A-corn clamp is more cost-effective. Changing from the Drive-on clamp to the A-corn clamp resulted in a decrease of approximately \$6.00 to both the Single Phase and Three Phase allowances.

The Company has removed the belled-end compatible unit from the Underground Service Cable Distance charge (per foot) for Company Installed Facilities. Removing this compatible unit has slightly reduced the cost for the 1/0, 4/0, and 350 underground cable charges. The Company now requires developers to include the belled-end with the junction boxes at the time of development. Removing the belled-end compatible unit from the Underground Service Cable Distance charges recognizes that the belled-end material has already been provided by the developer and reduces the charges by approximately 0.3 percent.

The cost of transformers for the Single Phase Allowance and Three Phase allowance increased slightly. The cost of transformers increased by approximately 8 percent for the Single Phase Allowance and approximately 13 percent for the Three Phase Allowance.

Labor Costs

When reviewing the labor costs included in the Rule H charges, the Company discovered that the labor rates for the charges had not been updated since 2013. For the last three years, the labor rate used in the calculation of charges in Rule H has been \$56.00, but the rate appropriate for 2017 should be \$62.00. To align the labor costs required to perform the Rule H work with the costs included in the Rule H charges, the Company proposes to update the labor rate to \$62.00. Because the labor costs constitute approximately 40 percent of the total costs associated with the Rule H charges, increasing the labor rate to \$62.00 results in most charges increasing. The Company has implemented a new process under which the labor rate will be updated each year as part of the annual Rule H cost update.

Additionally, the Engineering Charge increased by approximately 6 percent, primarily due to the increase in the general overhead rate used in the calculation of the charge. The proposed Engineering Charge increases from \$67.00 to \$71.00 per hour.

Vehicle Costs

Vehicle costs have increased primarily due to the timing of when the vehicle rates were updated in 2016 compared to when the vehicle rates for current Rule H charges were last updated, as well as an increase in the cost of new vehicles. Vehicle clearing rates are periodically reviewed by the Company and updated when necessary. The Company updated the vehicle rates in January 2015, and those rates were used in the January 2016 calculation of the Rule H charges that are currently in effect. To align the vehicle clearing rates with the vehicle utilization, the vehicle rates were updated again in November 2016. The proposed Rule H charges associated with this filing are updating the vehicle rates from the January 2015 rates currently included in the existing Rule H charges to the November 2016 rates.

A line truck and bucket truck are the primary vehicles utilized in Rule H work. The existing rate for both vehicles is \$35.00, but the rate appropriate for 2017 should be \$44.00. Over the last three years, the cost of purchasing these vehicles has increased approximately 159 percent. To align the vehicle costs required to perform the Rule H work with the costs

included in the Rule H charges, the Company proposes to update the vehicle rate to \$44.00. Because the vehicle costs constitute approximately 14 percent of the total costs associated with the Rule H charges, increasing the vehicle rate to \$44.00 results in most charges slightly increasing.

Customer Provided Trench Inspection Return Trip Charge

The Company proposes adding a charge to assess customers providing their own trench that does not meet Company standards and requires the Company to return and perform a re-inspection. The Customer Provided Trench Inspection Return Trip Charge requires the same labor and vehicle costs as the Temporary Service Attachment Charge for Overhead and Underground, as well as the Overhead Permanent Return Trip Charge. If a customer provided trench does not meet the Company's standards, the Company is unable to connect the service and must return later to re-inspect the trench. In order to recover the cost to return to the site and re-inspect the trench, the Company proposes adding the Customer Provided Trench Inspection Return Trip Charge. The charge for the Temporary Service (Overhead and Underground), Overhead Permanent, and Customer Provided Trench Inspection Return Trip Charge would be \$55.00.


Single Phase and Three Phase Allowances

The proposed updates to Company-funded allowance amounts increased for both the Single Phase and Three Phase allowances, by 9 and 11 percent, respectively. The primary driver of the increases is the increase in labor and vehicle costs, as well as an increase in the cost of transformers.

Idaho Power respectfully requests that the proposed updates are approved by March 1, 2017, and become effective March 15, 2017, in order to provide the Company an implementation period to update computer systems, prepare new communication materials, and train personnel.

If you have any questions regarding this tariff advice, please contact Regulatory Analyst Zach Harris at 388-2305 or zharris@idahopower.com.

Sincerely,



Lisa D. Nordstrom

LDN:kkt
Enclosures

Oregon Summary of Changes

	Existing 2016	Proposed 2017	Difference	
			\$	%
Underground Service Attachment Charges				
(Rule H Section 4.b.i)				
<u>Base Charge</u>				
Underground	\$ 18.00	\$ 21.00	\$ 3.00	17%
2" riser	\$ 482.00	\$ 528.00	\$ 46.00	10%
3" riser	\$ 682.00	\$ 755.00	\$ 73.00	11%
<u>Distance Charge (per foot)</u>				
Company Installed				
1/0	\$ 8.35	\$ 9.42	\$ 1.07	13%
4/0	\$ 8.76	\$ 10.01	\$ 1.25	14%
350	\$ 10.91	\$ 11.97	\$ 1.06	10%
Customer Provided Trench & Conduit				
1/0	\$ 2.37	\$ 2.90	\$ 0.53	22%
4/0	\$ 2.77	\$ 3.50	\$ 0.73	26%
350	\$ 4.14	\$ 4.74	\$ 0.60	14%
Other Charges				
(Rule H Section 6)				
Engineering Charge	\$ 67.00	\$ 71.00	\$ 4.00	6%
Overhead Service Attachment Charge for Non-Residence	\$ 220.00	\$ 225.00	\$ 5.00	2%
Temporary Service Attachment Charge				
Underground	\$ 47.00	\$ 55.00	\$ 8.00	17%
Overhead	\$ 220.00	\$ 225.00	\$ 5.00	2%
Temporary Service (Overhead or Underground) and Overhead Permanent Return Trip Charge				
	\$ 47.00	\$ 55.00	\$ 8.00	17%
Underground Service Return Trip Charge	\$ 78.00	\$ 91.00	\$ 13.00	17%
Line Installation and Service Attachment Allowances				
(Rule H Section 7.a)				
Residential				
Schedule 1	\$ 1,986.00	\$ 2,156.00	\$ 170.00	9%
Non-residential				
Schedules 7, 9, 24				
Single Phase	\$ 1,986.00	\$ 2,156.00	\$ 170.00	9%
Three Phase	\$ 4,338.00	\$ 4,835.00	\$ 497.00	11%
General Overheads	11.00%	15.00%		

Oregon

Rule H: New Service Attachments and Distribution Line Installations or Alterations 2017 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 120200

Design	<input type="text" value="0000120200"/>	Status=	<input type="text" value="PLAN"/>	<input type="text" value="12/07/2016"/>	<input type="text" value="08:08"/>
Facility=	<input type="text" value="EDS"/>				
Description	<input type="text" value="RULE H OREGON 2017"/>				
Client/Act=	<input type="text"/>				
Location=	<input type="text" value="WOR"/>	<input type="text" value="AROCK"/>	<input type="text" value="AROCK"/>		
Designer=	<input type="text" value="BES6740"/>	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"/>		
Rate Category	<input type="text"/>	Project	<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 2017	\$20.76	
<input type="checkbox"/>	002	PLAN	2" POLE RISER 2017	\$528.25	
<input type="checkbox"/>	003	PLAN	3" POLE RISER 2017	\$755.46	
<input type="checkbox"/>	004	PLAN	IPCO TRENCH 1/0 SERVICE 2017	\$1,131.76	
<input type="checkbox"/>	005	PLAN	IPCO TRENCH 4/0 SERVICE 2017	\$1,190.80	
<input type="checkbox"/>	006	PLAN	IPCO TRENCH 350 SERVICE 2017	\$1,386.90	
<input type="checkbox"/>	007	PLAN	CUSTOMER TRENCH 1/0 SERVICE 2017	\$480.27	
<input type="checkbox"/>	008	PLAN	CUSTOMER TRENCH 4/0 SERVICE 2017	\$539.31	
<input type="checkbox"/>	009	PLAN	CUSTOMER TRENCH 350 SERVICE 2017	\$663.93	
<input type="checkbox"/>	010	PLAN	TEMP UNDERGROUND 2017	\$54.97	
<input type="checkbox"/>	011	PLAN	OH SERVICE NON-RESIDENCE & TEMP OH 2017	\$225.44	
<input type="checkbox"/>	012	PLAN	RETURN TRIP TEMP OH/UG & PERM OH SERV & TRENCH	\$54.97	
<input type="checkbox"/>	013	PLAN	UNDERGROUND RETURN TRIP 2017	\$90.62	
<input type="checkbox"/>	014	PLAN	SINGLE PHASE ALLOWANCE 2017	\$2,156.33	
<input type="checkbox"/>	015	PLAN	THREE PHASE ALLOWANCE 2017	\$4,834.64	

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

Underground Service Attachment Charge – Base Charge
From Underground:

Company Vehicles -	\$	5.06
Labor Cost -		14.26
Material Cost - Cable tag & tie		1.44
Total	\$	20.76
Proposed Update -	\$	21.00

Design Version	0000120200 001	Status	PLAN 12/07/2016
Description	BASE CHARGE 2017		
Designer	BES6740	Service Type	
Billing Template	ST RULEH OR	Salvage	<input checked="" type="checkbox"/>
Rate Category		External Cross Reference	0000120200001
Estimated Cost	\$20.76	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 -	\$ 68.30
Labor Cost -	187.52
Material Cost - 2” PVC conduit, 2” metal conduit 35 feet of 1/0 triplex cable for service nuts, bolts, brackets and washers	272.43
Total	\$ 528.25
 Proposed Update -	 \$ 528.00

Design Version	0000120200 002	Status	PLAN 12/07/2016
Description	2" POLE RISER 2017		
Designer	BES6740	Service Type	
Billing Template	ST RULEH OR	Salvage	<input checked="" type="checkbox"/>
Rate Category		External Cross Reference	0000120200002
Estimated Cost	\$528.25	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 -	\$ 81.26
Labor Cost -	223.89
Material Cost - 3” PVC conduit, 3” metal conduit 35 feet of 4/0 triplex cable for service nuts, bolts, brackets and washers	450.31
Total	\$ 755.46
Proposed Update -	\$ 755.00

Design Version	0000120200	003	Status	PLAN	12/07/2016
Description	3" POLE RISER 2017				
Designer	BES6740	Service Type			
Billing Template	ST	RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category		External Cross Reference	0000120200003		
Estimated Cost	\$755.46		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	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 -	\$ 288.52
Labor Cost -	680.92
Material Cost - Service trench & backfill 30" depth (100 feet)	
Service cable 1/0 (100 feet)	
2" conduit (100 feet)	
2" conduit 90 degree bend	
	<u>162.32</u>
Sub Total	\$ 1,131.76
Minus the cost of a 100 foot #2 triplex overhead service	<u>\$ (189.79)</u>
Total	\$ 941.97
Proposed Update -	\$ 9.42 /ft

Design Version	0000120200 004	Status	PLAN	12/07/2016
Description	IPCO TRENCH 1/0 SERVICE 2017			
Designer	BES6740	Service Type		
Billing Template	ST RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category		External Cross Reference	0000120200004	
Estimated Cost	\$1,131.76	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 #2 Triplex	
Company Vehicles -	\$ 25.30
Labor Cost -	106.95
Minus Travel	(35.65)
Material Cost -	93.19
Total	<u>\$ 189.79</u>

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 -	\$ 288.52
Labor Cost -	680.92
Material Cost - Service trench & backfill 30" depth (100 feet)	
Service cable 4/0 (100 feet)	
2" conduit (100 feet)	
2" conduit 90 degree bend	
	<u>221.36</u>
Sub Total	\$ 1,190.80
Minus the cost of a 100 foot #2 triplex overhead service	<u>\$ (189.79)</u>
Total	\$ 1,001.01
Proposed Update -	\$ 10.01 /ft

Design Version	0000120200 005	Status	PLAN	12/07/2016
Description	IPCO TRENCH 4/0 SERVICE 2017			
Designer	BES6740	Service Type		
Billing Template	ST	RULEH OR		
Rate Category		External Cross Reference	0000120200005	
Estimated Cost	\$1,190.80			
Quote		Transfer to Work Order		
Quote Date		Navigate to Work Order	<input checked="" type="checkbox"/>	
CU Category		Retain Material Request	<input type="checkbox"/>	
Design Task Type		Cost Class	IPCO	
Crew Size	5	Crew Type		
Trip Time	.5	Work Hours	8.00	
Starting Point	0001	Resource	PERS	TRAVELCE

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 -	\$ 301.16
Labor Cost -	716.57
Material Cost - Service trench & backfill 30" depth (100 feet) Service cable 350 (100 feet) 3" conduit (100 feet) 3" conduit 90 degree bend	369.17
Sub Total	\$ 1,386.90
Minus the cost of a 100 foot #2 triplex overhead service	\$ (189.79)
Total	\$ 1,197.11
Proposed Update -	\$ 11.97 /ft

Design Version	0000120200	006	Status	PLAN	12/07/2016
Description	IPCO TRENCH 350 SERVICE 2017				
Designer	BES6740	Service Type			
Billing Template	ST	RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category		External Cross Reference	0000120200006		
Estimated Cost	\$1,386.90		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
 Customer provided trench & conduit, 100 feet of 1/0 underground cable:
 (2 persons & 0.5 hours of travel time)

Company Vehicles -	\$ 88.56
Labor Cost -	303.03
Material Cost - Service cable 1/0 (100 feet)	88.68
Sub Total	<u>\$ 480.27</u>

Minus the cost of a 100 foot #2 triplex overhead service \$ (189.79)

Total \$ 290.48

Proposed Update - \$ 2.90 /ft

Design Version	0000120200 007	Status	PLAN 12/07/2016
Description	CUSTOMER TRENCH 1/0 SERVICE 2017		
Designer	BES6740	Service Type	
Billing Template	ST RULEH OR	Salvage	<input checked="" type="checkbox"/>
Rate Category		External Cross Reference	0000120200007
Estimated Cost	\$480.27	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		

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

Company Vehicles -	\$ 88.56
Labor Cost -	303.03
Material Cost - Service cable 4/0 (100 feet)	147.72
Sub Total	<u>\$ 539.31</u>

Minus the cost of a 100 foot #2 triplex overhead service \$ (189.79)

Total \$ 349.52

Proposed Update - \$ 3.50 /ft

Design Version	0000120200 008	Status	PLAN	12/07/2016
Description	CUSTOMER TRENCH 4/0 SERVICE 2017			
Designer	BES6740	Service Type		
Billing Template	ST	RULEH OR	Salvage	<input checked="" type="checkbox"/>
Rate Category		External Cross Reference	0000120200008	
Estimated Cost	\$539.31			
Quote		Transfer to Work Order		
Quote Date		Navigate to Work Order	<input checked="" type="checkbox"/>	
CU Category		Retain Material Request	<input type="checkbox"/>	
Design Task Type		Cost Class	IPCO	
Crew Size	2	Crew Type		
Trip Time	.5	Work Hours	8.00	
Starting Point	0001	Resource	PERS TRAVELCE	

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

Company Vehicles -	\$ 101.20
Labor Cost -	338.68
Material Cost - Service cable 350 (100 feet)	224.05
Sub Total	\$ 663.93

Minus the cost of a 100 foot #2 triplex overhead service \$ (189.79)

Total \$ 474.14

Proposed Update - \$ 4.74 /ft

Design Version	0000120200 009	Status	PLAN	12/07/2016
Description	CUSTOMER TRENCH 350 SERVICE 2017			
Designer	BES6740	Service Type		
Billing Template	ST	RULEH OR	Salvage	<input checked="" type="checkbox"/>
Rate Category		External Cross Reference	0000120200009	
Estimated Cost	\$663.93		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 6 Other Charges

b. Engineering Charges

	Senior Distribution Designer (2016 wage schedule)	\$	44.37 /hour
	Benefits (2016 actual) 44.71%		19.84 /hour
	General Overhead (effective Nov. 2016) 15.00%		6.66 /hour
Total		\$	70.86 /hour

Proposed Update - \$ 71.00 /hour

d. Overhead Service Attachment Charge for Non-Residence

	Company Vehicles -	\$	25.30
	Labor Cost -		106.95
	Material Cost -		
	100 ft #2 triplex, wedge clamps, nuts, bolts		93.19
Total		\$	225.44

Proposed Update - \$ 225.00

Design Version	0000120200 011	Status	PLAN	12/07/2016
Description	OH SERVICE NON-RESIDENCE & TEMP OH 2017			
Designer	BES6740	Service Type		
Billing Template	ST RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category		External Cross Reference	0000120200011	
Estimated Cost	\$225.44	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			

g. Temporary Service Attachment Charge

i. Underground

Company Vehicles -	\$ 5.06
Labor Cost -	49.91
Material Cost -	-
Total	\$ 54.97
Proposed Update -	\$ 55.00

Design Version	0000120200 010	Status	PLAN	12/07/2016
Description	TEMP UNDERGROUND 2017			
Designer	BES6740	Service Type		
Billing Template	ST RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category		External Cross Reference	0000120200010	
Estimated Cost	\$54.97	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			

g. Temporary Service Attachment Charge

ii. Overhead

Company Vehicles -	\$ 25.30
Labor Cost -	106.95
Material Cost -	
100 ft #2 triplex, wedge clamps, nuts, bolts	93.19
Total	\$ 225.44
 Proposed Update -	 \$ 225.00

Design Version	0000120200 011	Status	PLAN	12/07/2016
Description	OH SERVICE NON-RESIDENCE & TEMP OH 2017			
Designer	BES6740	Service Type		
Billing Template	ST RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category		External Cross Reference	0000120200011	
Estimated Cost	\$225.44	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			

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

	Company Vehicles -	\$	5.06
	Labor Cost -		49.91
Total		\$	54.97
Proposed Update -		\$	55.00

Design Version	0000120200 012	Status	PLAN	12/07/2016
Description	RETURN TRIP TEMP OH/UG & PERM OH SERV & TRENCH INSP 2017			
Designer	BES6740	Service Type		
Billing Template	ST RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category		External Cross Reference	0000120200012	
Estimated Cost	\$54.97	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 -	\$	5.06
	Labor Cost -		85.56
Total		\$	90.62
Proposed Update -		\$	91.00

Design Version	0000120200	013	Status	PLAN	12/07/2016
Description	UNDERGROUND RETURN TRIP 2017				
Designer	BES6740		Service Type		
Billing Template	ST	RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category			External Cross Reference	0000120200013	
Estimated Cost	\$90.62		Transfer to Work Order		
Quote					
Quote Date			Navigate to Work Order	<input checked="" type="checkbox"/>	
CU Category			Retain Material Request	<input type="checkbox"/>	
Design Task Type			Cost Class	IPCO	
Crew Size	2		Crew Type		
Trip Time	.5		Work Hours	8.00	
Starting Point	0001		Resource	PERS	TRAVELCE

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 -		\$	149.26
Labor Cost -			594.05
Material Cost - Wedge stirrup hot tap			30.39
Switch arm			46.69
Switch			132.39
25 kVA transformer			1,046.82
Transformer bussing			25.73
Service wire - 125 feet			107.86
Ground rod			18.08
Neutral wedge connector			5.06
			\$ 1,413.02
Total Materials			\$ 1,413.02
Total			\$ 2,156.33
Proposed Update -			\$ 2,156.00

Design Version	0000120200	014	Status	PLAN	12/07/2016
Description	SINGLE PHASE ALLOWANCE 2017				
Designer	BES6740		Service Type		
Billing Template	ST	RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category			External Cross Reference	0000120200014	
Estimated Cost	\$2,156.33		Transfer to Work Order		
Quote					
Quote Date					
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 -		\$ 413.80
Labor Cost -		1,517.79
Material Cost -	Wedge stirrup hot tap (3)	91.18
	Switch arm	151.68
	Switch (3)	347.20
	Transformer mount	279.81
	15 kVA transformer (3)	1,820.13
	Transformer bussing	42.16
	Service wire - 125 feet	147.75
	Ground rod	18.08
	Neutral wedge connector	5.06
		<hr/>
		2,903.05
Total Materials		<u>\$ 2,903.05</u>
Total		\$ 4,834.64
Proposed Update -		\$ 4,835.00

Design Version	0000120200	015	Status	PLAN	12/07/2016
Description	THREE PHASE ALLOWANCE 2017				
Designer	BES6740	Service Type			
Billing Template	ST	RULEH OR	Salvage	<input checked="" type="checkbox"/>	
Rate Category		External Cross Reference	0000120200015		
Estimated Cost	\$4,834.64		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:

Table with 2 columns: Description and Amount. Rows: underground (\$ 21.00), overhead including 2" riser (\$528.00), overhead including 3" riser (\$755.00)

Distance charge (per foot)

Company Installed Facilities with:

Table with 2 columns: Description and Amount. Rows: 1/0 underground cable (\$ 9.42), 4/0 underground cable (\$ 10.01), 350 underground cable (\$ 11.97)

Customer Provided Trench & Conduit with:

Table with 2 columns: Description and Amount. Rows: 1/0 underground cable (\$ 2.90), 4/0 underground cable (\$ 3.50), 350 underground cable (\$ 4.74)

(I)
(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 \$71.00 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 \$225.00. This charge only applies to non-residences (shop, garage, etc) where there is an existing overhead transformer within 100' of the non-residence structure. (I)

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 - \$55.00 (I)

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

ii. Overhead - \$225.00 (I)

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 \$55.00 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. (N)
(I)

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 \$91.00 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. (l)

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	\$2,156.00	(l)
Non-residence	Cost of new meter only	
Non-residential:		
Schedules 7, 9, 24		
Single Phase	\$2,156.00	(l)
Three Phase	\$4,835.00	(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 \$2,156.00 allowance for each single phase transformer installed within a development and a \$4,835.00 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.