

Smart Rate Design for a Smart Future

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Energy solutions for a changing world

A Customer should be allowed to connect to the grid for no more than the cost of connecting to the grid.



Customers should pay for the grid in proportion to how much they use the grid, and when they use the grid.



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Customers delivering power to the grid should receive full and fair value -- no more and no less.





How Do Other Industries Recover Fixed Costs?





We Pay For Other "Grids" In Volumetric Prices



A Simple Cost-Based Residential Rate Design

Cost to Connect to the Grid

Billing	\$/mo		4.00
Line Transformer	\$/kVA/Mo	\$	1.00
Bi-Directional Grid and Power Supply			
Off-Peak	\$/kWh	\$	0.07
Mid-Peak	\$/kWh	\$	0.09
On-Peak	\$/kWh	\$	0.14
Critical Peak	\$/kWh	\$	0.74

Energy solutions for a changing world

Bill Simplification

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\$0.114		
\$0.213		Vobil
\$0.235		
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\$0.023		Self Cash or Credit
\$0.114		Regular 3.77%
\$0.217	1030	Special 397%
\$0.349		Super+ 1 002
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Bill Simplification

You	ur Usage: 1,266	kWh	
Base Rate	Rate	Usage	Amount
Customer Charge	\$5.00	1	\$5.00
First 500 kWh	\$0.05000	500	\$25.00
Next 500 kWh	\$0.10000	500	\$50.00
Over 1,000 kWh	\$0.15000	266	\$39.90
Fuel Adjustment Charge	\$0.01230	1,266	\$15.57
Infrastructure Tracker	\$0.00234	1,266	\$2.96
Decoupling Adjustment	\$(0.00057)	1,266	\$(0.72)
Conservation Program Charge	\$0.00123	1,266	\$1.56
Nuclear Decommissioning	\$0.00037	1,266	\$0.47
Subtotal:	\$139.74		
State Tax	5%		\$6.99
City Tax	6%		\$8.80
Total Duc			\$155.53

Bill Simplification

Base Rate	Rate	Usage	Amount
Customer Charge	\$5.56500	1	\$ 5.56
First 500 kWh	\$0.07309	500	\$ 36.55
Next 500 kWh	\$0.12874	500	\$ 64.37
Over 1,000 kWh	\$0.18439	266	\$ 49.05
Total Due			\$155.53



About RAP

The Regulatory Assistance Project (RAP) is a global, non-profit team of experts that focuses on the long-term economic and environmental sustainability of the power and natural gas sectors. RAP has deep expertise in regulatory and market policies that:

- Promote economic efficiency
- Protect the environment
- Ensure system reliability
- Allocate system benefits fairly among all consumers

Learn more about RAP at www.raponline.org



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Additional Slides for Group Discussion

Energy solutions for a changing world

Seattle City Light	
Customer Charge (30 days)	\$ 4.35
Summer	
First 300 kWh	\$ 0.0565
Over 300 kWh	\$ 0.1197
Winter	
First 480 kWh	\$ 0.0565
Over 480 kWh	\$ 0.1197
Puget Sound Energy	
Customer Charge	\$ 7.87
First 600	\$ 0.0887
Over 600 kWh	\$ 0.1076
Net of Residential Exchange	





Avista Utilities (WA)		
Customer Charge	\$	8.50
First 800 kWh	\$0	.0755
801 - 1,500	\$0	.0878
Over 1,500	\$0	.1028

Avista vs. Inland



Oregon Trail Electric	Coop	erative		
Customer Charge	\$	25.50		
Energy Charge	\$	0.071		
Pacific Power (OR)				Pacific Power vs. Oregon Trail
Customer Charge	\$	9.50	\$250	
First 1,000 kWh	\$	0.099	\$200	
Over 1,000 kWh	\$	0.119		
			\$150	

