

Belmont – Time of Use Rate Option

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Residential Time of Use

- ▶ 2 Scenarios
 - ▶ No Behavior Changes
 - ▶ \$15.00 customer charge (current \$10.60)
 - ▶ Scenario 1:
 - ▶ On-Peak (includes Weekends and Holidays)
 - ▶ Summer 1 PM - 7 PM
 - ▶ Winter 4 PM – 8 PM
 - ▶ Scenario 2:
 - ▶ On-Peak (includes Weekends and Holidays)
 - ▶ All Year 1 PM - 7 PM

Time of Use Rates

Scenario 1

Residential Rate		
	Current	TOU
Distribution Customer Charge	\$ 10.60	\$ 15.00
Winter		
On-Peak Energy	\$ 0.19317	\$ 0.29149
Off-Peak Energy	\$ 0.19317	\$ 0.12992
On-Peak/Off-Peak Ratio	1.00	2.24
Summer		
On-Peak Energy	\$ 0.19358	\$ 0.44921
Off-Peak Energy	\$ 0.19358	\$ 0.12489
On-Peak/Off-Peak Ratio	1.00	3.60

Scenario 2

Residential Rate		
	Current	TOU
Distribution Customer Charge	\$ 10.60	\$ 15.00
Winter		
On-Peak Energy	\$ 0.19317	\$ 0.24813
Off-Peak Energy	\$ 0.19317	\$ 0.13137
On-Peak/Off-Peak Ratio	1.00	1.89
Summer		
On-Peak Energy	\$ 0.19358	\$ 0.45323
Off-Peak Energy	\$ 0.19358	\$ 0.12511
On-Peak/Off-Peak Ratio	1.00	3.62

Customer Type Effect (Solar, excludes buyback)

Scenario 1

	Solar			
	Annual	Monthly	%	
Max Change	\$ (572.72)	\$ (47.73)	-13%	
Average Change	\$ (59.13)	\$ (4.93)	-5%	
Sample Size	312			
Sample Period	CY 2019			

Scenario 2

	Solar			
	Annual	Monthly	%	
Max Change	\$ (560.48)	\$ (46.71)	-13%	
Average Change	\$ (91.43)	\$ (7.62)	-7%	
Sample Size	312			
Sample Period	CY 2019			

Customer Type Effect (EV)

Scenario 1

Electric Vehicles			
	Annual	Monthly	%
Max Change	\$ (942.89)	\$ (78.57)	-14%
Average Change	\$ (59.96)	\$ (5.00)	-8%
Sample Size	79		
Sample Period	CY 2019		

Scenario 2

Electric Vehicles			
	Annual	Monthly	%
Max Change	\$ (899.24)	\$ (74.94)	-14%
Average Change	\$ (64.42)	\$ (5.37)	-8%
Sample Size	79		
Sample Period	CY 2019		

Customer Type Effect (HP)

Scenario 1

Heat Pump			
	Annual	Monthly	%
Max Change	\$ (1,944.33)	\$ (162.03)	-17%
Average Change	\$ (61.47)	\$ (5.12)	-4%
Sample Size	155		
Sample Period	CY 2019		

Scenario 2

Heat Pump			
	Annual	Monthly	%
Max Change	\$ (1,885.75)	\$ (157.15)	-17%
Average Change	\$ (63.83)	\$ (5.32)	-5%
Sample Size	155		
Sample Period	CY 2019		

Customer Type Effect (Low Income)

Scenario 1

Low Income			
	Annual	Monthly	%
Max Change	\$ (481.78)	\$ (40.15)	-11%
Average Change	\$ (3.82)	\$ (0.32)	0%
Sample Size	329		
Sample Period	CY 2019		

Scenario 2

Low Income			
	Annual	Monthly	%
Max Change	\$ (460.45)	\$ (38.37)	-11%
Average Change	\$ 0.17	\$ 0.01	0%
Sample Size	329		
Sample Period	CY 2019		

Belmont Guiding Principles

- 1) **Align customer savings with savings for BL** ✓
- 2) **Support strategic electrification** ✓
- 3) **Protect low-income customers** ✓
- 4) **Support energy efficiency & solar** ✓
- 5) **Ensure BL revenue sufficiency & stability** ✓
- 6) **Provide for easy implementation** ?

Scenario 1 – Detailed Rate (not intended for presentation)

Rates	TOU Phase 0 (Current)	TOU 1
Current Charges		
Monthly Facilities Charge:		
Distribution Customer Charge	\$ 10.60	\$ 15.00
TOU Charges		
Winter		
Generation		
On-Peak	\$ 0.08939	\$ 0.09513
Off-Peak	\$ 0.08939	\$ 0.06041
Transmission		
On-Peak	\$ 0.02583	\$ 0.12686
Off-Peak	\$ 0.02583	\$ -
Distribution/Conservation		
On-Peak	\$ 0.07795	\$ 0.06950
Off-Peak	\$ 0.07795	\$ 0.06950
Summer		
Generation		
On-Peak	\$ 0.08979	\$ 0.27819
Off-Peak	\$ 0.08979	\$ 0.05538
Transmission		
On-Peak	\$ 0.02583	\$ 0.10152
Off-Peak	\$ 0.02583	\$ -
Distribution/Conservation		
On-Peak	\$ 0.07795	\$ 0.06950
Off-Peak	\$ 0.07795	\$ 0.06950
Revenue from Rate	\$ 14,561,583	\$ 14,561,583

Scenario 2 – Detailed Rate (not intended for presentation)

Rates	TOU Phase 0 (Current)	TOU 1
Current Charges		
Monthly Facilities Charge:		
Distribution Customer Charge	\$ 10.60	\$ 15.00
TOU Charges		
Winter		
Generation		
On-Peak	\$ 0.08939	\$ 0.08622
Off-Peak	\$ 0.08939	\$ 0.06051
Transmission		
On-Peak	\$ 0.02583	\$ 0.09106
Off-Peak	\$ 0.02583	\$ -
Distribution/Conservation		
On-Peak	\$ 0.07795	\$ 0.07086
Off-Peak	\$ 0.07795	\$ 0.07086
Summer		
Generation		
On-Peak	\$ 0.08979	\$ 0.28086
Off-Peak	\$ 0.08979	\$ 0.05425
Transmission		
On-Peak	\$ 0.02583	\$ 0.10152
Off-Peak	\$ 0.02583	\$ -
Distribution/Conservation		
On-Peak	\$ 0.07795	\$ 0.07086
Off-Peak	\$ 0.07795	\$ 0.07086
Revenue from Rate		
	\$ 14,561,583	\$ 14,561,583