

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of Kansas City Power & Light)
Company’s Request for Authority to Implement)
A General Rate Increase for Electric Service) **Case No. ER-2018-0145**

In the Matter of KCP&L Greater Missouri)
Operations Company’s Request for Authorization to)
Implement A General Rate Increase for Electric)
Service) **Case No. ER-2018-0146**

NOTICE

COME NOW Kansas City Power & Light Company (“KCP&L”) and KCP&L Greater Missouri Operations Company (“GMO”) (collectively, the “Company”) and respectfully state as follows to the Missouri Public Service Commission (“Commission”):

1. On September 25, 2018, the Company filed a *Non-Unanimous Stipulation and Agreement Concerning Rate Design Issues* (“Rate Design-TOU Stipulation”) which included an agreement between the Company, Staff, the Office of the Public Counsel (“OPC”), Missouri Division of Energy (“DE”), and Renew Missouri Advocates (“Renew MO”) (collectively, the “Signatories”) on Time of Use (“TOU”) rates.¹

2. On October 31, 2018, the Commission issued its *Order Approving Stipulations and Agreements* (“Order”) which approved the various settlements between the Signatories in these dockets, including the Rate Design-TOU Stipulation referenced above.

¹ “e. When completed the Company will submit to the Commission the following documents on an ongoing basis: Customer research plan, business case for shadow billing, marketing and education plan, EM&V plan, Customer Feedback Mechanism, Customer Behavior Metrics, EM&V interim and final results and documentation shared at each stakeholder meeting.” See Rate Design-TOU Stipulation, p. 6, Section 2(e).

3. Pursuant to the provisions of the Rate Design-TOU Stipulation the Company is filing the attached *Missouri Stakeholder Meeting—Time of Use* (presented on December 20, 2018) and designated as **Exhibit A**.

WHEREFORE, the Company respectfully request the Commission take notice of the attached.

Respectfully submitted,

/s/ Robert J. Hack

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**ATTORNEYS FOR KANSAS CITY
POWER & LIGHT COMPANY AND
KCP&L GREATER MISSOURI
OPERATIONS COMPANY**

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing have been mailed, hand-delivered, transmitted by facsimile or electronically mailed to all counsel of record this 11th day of January 2019.

Roger W. Steiner

Roger W. Steiner

Missouri Stakeholder Meeting Time of Use

December 20, 2018



Safety Moment

Holiday Safety

Risk: Christmas Tree Fires

- ~300 Christmas tree fires occur nationally each year
 - Not common, but tend to be serious when they do occur

Tree Safety

- Keep tree at least 3 ft from all heat sources
 - Think fireplaces, radiators, heat vents
- Real trees need water
 - More dry = more flammable
- Don't overdo it on the lights & pay attention to safety labels
 - Unplug indoor lights when you leave



Agenda



Shadow Billing Business Case

Customer Research Plan

Customer Feedback Mechanism

Customer Behavior Metrics

Time of Use (TOU) Tariff Revision Request

Next Steps

General Discussion + Action Item Summary

-  Draft
-  Discussion
-  Other

Shadow Billing Business Case Draft

Shadow Billing Business Case



Purpose

As part of the 2018 TOU settlement, KCP&L agreed to complete a business case for Shadow Billing feasibility.

Goal

The goal of this business case is to identify and evaluate Shadow Billing implementation options and present a recommendation.

Shadow Billing Team



- **A cross-functional team comprised of over 30 subject matter experts from:**
 - Energy Solutions
 - Information Technology
 - Billing
 - Metering
 - Customer Operations & Customer Service
 - Customer Insights
 - Marketing & Communications
 - Customer Experience
- **Met over the course of 40+ hours**
 - Review Shadow Billing industry definitions & implementations
 - Identify best practices
- **Team evaluated potential options and timelines**

Shadow Billing Research



- **No common definition or implementation in industry**
- **But....Common Goals:**
 1. **Educate customers on available rate and pricing options**
 2. **Provide transparency around potential or actual savings achieved under an alternative rate**
 3. **Reinforce the need for behavior change to drive savings**

Oklahoma Gas and Electric
Pacific Gas & Electric
Southern California Edison
San Diego Gas & Electric
Baltimore Gas & Electric
Hawaiian Electric
Xcel
American Public Power Assoc.
Consumers Energy
Rocky Mountain Institute

Shadow Billing Goals



We reached out to DED and found that the research they provided support these goals...

- (1) *“...Shadow billing, where consumers receive full information about what billing under the full range of rate options would have been given existing usage level and timing of consumption...”*
- (2) *“...Shadow billing gives customers a chance to understand how they will be affected...”*
- (3) *“...Shadow bills allow the customer to see exactly how the dynamic rate will impact their bill, without creating a cash flow issue. Shadow billing also allows both the utility and regulator to identify each customer that might experience adverse bill impacts...”*

(1) Consumer Protection for Residential Customers
Source document unknown

(2) Guidance for Utilities Commissions on Time of Use Rates: A Shared Perspective from Consumer and Clean Energy Advocates Electricity Rate Design Review Paper No. 2 July 15, 2017
<https://votesolar.org/files/9515/0039/8998/TOU-Paper-7.17.17.pdf>

Shadow Billing Criteria



- **Can the solution**
 - **Clearly present personalized long-term historical data**
 - Rate(s) and cost comparisons
 - **Clearly communicate significant information to educate customers**
 - Data + information = education
 - **Include multiple rate comparisons**
 - Consider future additions choice-based rate options
 - **Provide a clear call to action to customers**
- **Is the solution**
 - **Scalable**
 - Can it reach all residential customers
 - **Engaging**
 - **Interactive**
 - **Flexible**

Shadow Billing Options



Team identified 6 options:

- 1. On the bill rate/cost comparison**
- 2. Sending a separate “bill” with “what if” TOU data**
- 3. Bill Message on Current KCP&L Bill**
- 4. Online Rate Analysis Tool**
- 5. Rate Comparison and Education Reports**
- 6. Post-Enrollment Engagement Reports**

Shadow Billing Options



As we progressed through the development and research phase of the process, 3 options didn't meet our Shadow Billing Criteria.

These options include:

1. On the bill rate/cost comparison
2. Sending a separate TOU "bill"
3. Bill message on current KCP&L bill

	On the Bill Comparison	Separate Shadow "Bill"	Bill Message
Personalized	Green	Green	Yellow
Long-Term Data	Red	Red	Red
Educational	Red	Red	Red
Multi Rate Comparisons	Red	Red	Red
Scalable	Yellow	Yellow	Green
Clear CTA	Red	Red	Green
Engaging	Red	Red	Red
Interactive	Red	Red	Red
Flexible	Red	Red	Yellow

These implementation options lack the engagement, detail, education, and personalization required to effectively educate customers on rate options, rate and cost comparisons, and drive the behavior change required to achieve savings through a TOU rate.

Shadow Billing Options



The 3 additional options were identified as feasible and were recommended to be further evaluated for potential implementation.

These 3 options include:

1. Online Rate Analysis Tool
2. Rate Comparison & Education Reports
3. Post-Enrollment Engagement Reports

For each option we examined:

1. Cost
2. Resources required
3. Implementation timeline
4. Pros and cons of the option

	Online Rate Analysis Tool	Rate Education Reports	Post-Enrollment Reports
Personalized	Green	Green	Green
Long-Term Data	Green	Green	Green
Educational	Green	Green	Green
Multi Rate Comparisons	Green	Green	Green
Scalable	Green	Green	Green
Clear CTA	Green	Green	Green
Engaging	Green	Green	Green
Interactive	Green	Yellow	Yellow
Flexible	Green	Green	Green

Option 1: Online Rate Analysis Tool



Interactive web tool that includes rate plan comparisons, rate details, and rate simulator



Option 1: Online Rate Analysis Tool



✓ How does this rate plan work?

✓ Is this the best rate plan for me?

Rates Details

[← Back to all rates](#)

Rate plan **Time of Use** Estimated cost **\$500 /year**

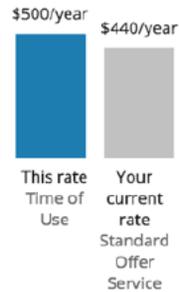
About this rate plan

The cost of electricity varies by time of day.

On this plan, customers are rewarded for reducing their energy use during periods of high demand. If your household shifts energy usage from the afternoon and early evening, this plan can potentially help you save on your energy bills.

- Price highest: 10am-8pm

Last year, this rate plan would have increased your costs by \$60.



Rate plan breakdown

Energy prices are highest during peak hours.

Summer weekdays



June - September Pricing

Weekdays		Weekends and Holidays	
Peak	10am - 8pm	Off-Peak	All day
Intermediate	7am - 10am, 8pm - 11pm		
Off-Peak	11pm - 7am		

October - May Pricing

Weekdays		Weekends and Holidays	
Peak	7am - 11am, 5pm - 9pm	Off-Peak	All day
Intermediate	11am - 5pm		
Off-Peak	9pm - 7am		

✓ How will this rate affect my bill?

Monthly estimated costs

Your highest bill on this rate plan: \$59

	Jan 30	Feb 28	Mar 30	Apr 30	May 30	Jun 29	Jul 31	Aug 31	Oct 2	Oct 31	Nov 29	Dec 29	Annual Total
Time of Use	\$43	\$36	\$42	\$38	\$45	\$44	Lowest \$27	Highest \$59	\$49	\$43	\$33	\$41	\$500
Current Rate Standard Offer Service	\$38	\$31	\$37	\$32	\$40	\$40	Lowest \$22	Highest \$54	\$45	\$37	\$29	\$36	\$440

📞 To switch rate plans you can email MyHomeRep@bge.com or call 1-800-685-0123 from 7 a.m. - 7p.m, Monday through Friday.

Option 2: Rate Education Reports



Rate Education Report

- Personalized paper and/or email reports
- Educates all residential customers on TOU
 - Shows customers what they could save on a TOU rate
 - Provides rate education and tips on how to save even more on a TOU rate
 - CTA → enroll in TOU

UtilityCo

1515 N. Courthouse Road, Floor 8
Arlington, VA 22201-2909

Your Rate Comparison Report

June 1, 2018
Account number 1000001

We've put together this report to help you understand your energy use, rate plan and what you can do to save.

Find a list of rate plans and energy-saving products and services you can buy.
▶ utilityco.com/myenergytools

SAMPLE MOCK UP

Your plan will be changing and here's what to expect.

When you use energy is just as important as how much you use. Discover more about your energy use and new rate plan.

▶ [Learn more at utilityco.com/rateplaninfo](http://utilityco.com/rateplaninfo)



What are time-of-use rates?

Time-of-use is a rate plan in which rates vary according to the time of day, season, and day type (weekday or weekend/holiday).

Why time-of-use?

Time-of-use pricing is important to overall energy efficiency and can lower energy costs for UtilityCo, the community and you, the customer.

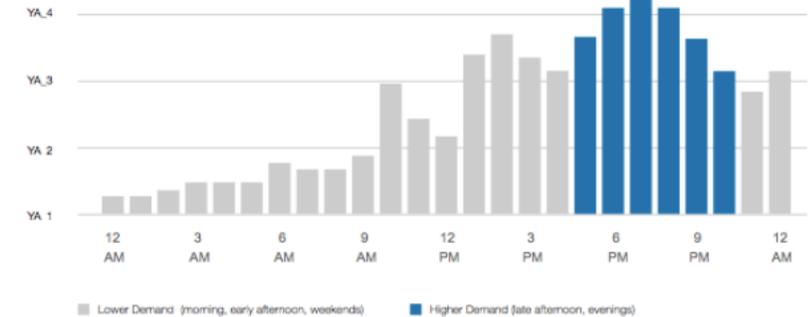
How is this good for me?

When you're able to change the time you use energy, from peak hours to off-peak hours for example, you're able to lower your energy bill with a time-of-use rate plan.

See your new energy use insights on the other side! →

When do you use the most energy?

→ You typically use the most energy in Higher Demand periods.



Easy ways to start saving now



Running the dishwasher?

Run your washer late at night, when energy is less expensive.



Leaving for work?

Raise or lower your home thermostat a few degrees while you're away.



Checking your email?

Sign up for weekly electricity usage notifications: utilityco.com/Billalerts

→ Do you already do these? Find more ways to save utilityco.com/Tips.



Keep getting insights like these

View your energy use online at utilityco.com/energyuse

Option 2: Rate Education Reports



Rate Education Report

Overview of the different rates available

Personalized cost comparison of rates customer is eligible for

TOU cost savings

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Find a list of rate plans and energy-saving products and services you can buy.
► utilityco.com/myenergytools

SAMPLE MOCK UP

Learn how different rate plans work for you

You're currently on Standard tier.



Standard tier

As you use more electricity during your bill period, the price goes up with each tier.



Time of use

Your bill varies depending on when you use electricity and how much you use.



Electric vehicle

The same as Time of Use, but ideal for those who own an electric car.

What do different rate plans cost?

Avg over past 12 months



Last year, you would have saved more on Time of use.
\$13 savings per month

*Estimated values. This comparison is based on your hourly energy use from the last 12 months.

Take charge of your next bill

Log in to your UtilityCo account to view a full list of rate plans and find energy-saving products and services to purchase to help lower your energy costs at www.utilityco.com.

Turn over →

Estimated cost per year

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Cost	
Standard Tier	\$100	\$110	\$120	\$130	\$140	\$150	\$160	\$150	\$140	\$130	\$120	\$110	\$1,500	Your current rate
Time of Use	\$80	\$88	\$120	\$104	\$112	\$120	\$168	\$155	\$112	\$104	\$110	\$88	\$1,369	Your best rate
Electric Vehicle	\$80	\$90	\$86	\$104	\$115	\$120	\$178	\$168	\$112	\$84	\$88	\$80	\$1,247	

These are estimated values; your costs will differ. Log on to utilityco.com/rateplans to see estimates based on your household's energy use and ability to shift the time you use and how you use electricity.

More ways to save



Minimize appliance use

Wait until after peak afternoon hours to run your dishwasher, clothes washer, dryer, and other electric appliances.



Switch to energy-efficient bulbs

With new options for energy-efficient bulbs, it's easy to brighten your home with LEDs or CFLs.



Replace your old AC

Claim a \$50 rebate for your old AC and buy an efficient ENERGY STAR model at www.utilityco.com/rebates.

Frequently asked questions

How are rate plans set?

Rates are set through the Local Utilities Commission (LUC), the agency that regulates utilities within the state. The rate process includes public input and participation, and all utilities use the same process.

How were the rates calculated for this report?

This comparison is based on your hourly energy use from the last 12 months. If you have questions or think the information provided might be incorrect, please contact us.

Why is my utility sending me this report?

When customers save energy, we get closer to meeting Locale's energy efficiency goals. It's good for everyone.

We're here to help

► www.utilityco.com

► rates@utilityco.com

► 888-888-9999

Find more energy saving purchases

► www.utilityco.com

UtilityCo

Copper assists UtilityCo with this Rate Comparison Report. Dollar savings are estimated by Copper for households in the UtilityCo territory based on current billing rates (actual savings may vary). Participation in this Rate Comparison Report program is voluntary.

♻️ Printed on 10% post-consumer recycled paper using water-based inks.

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12 mo rate compare

Tips

Call to Action: enroll in TOU

Option 3: Post-Enrollment Reports



Post-Enrollment Reports

- Personalized weekly email report sent to TOU customers to educate them on new rate
- Proactive reminder to customers of key TOU information
- Hourly breakdown of costs, overlaid with “On Peak” hours, reveals customers’ consumption patterns
- Tips, powered by disaggregation, motivate customers to shift usage & save money

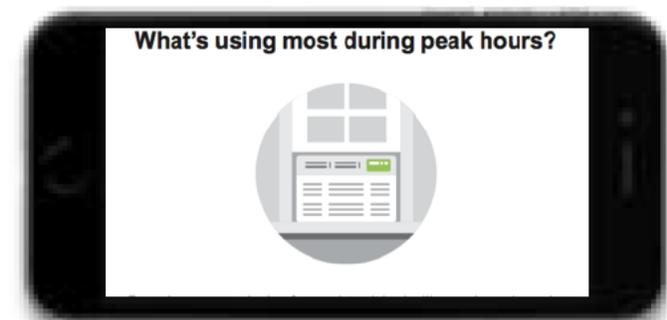


What's using most during peak hours?

Based on our analysis of your data, it looks like you're using a lot of air conditioning during the peak window.

Raise the temperature of your thermostat by 1° or 2° and you'll save more money than you would if you made the same change during off-peak hours.

[EXPLORE YOUR USAGE](#)



Option 3: Post-Enrollment Reports



Post-Enrollment Reports

Communications Overview

Introduction email	
Summer Weekly Update	
Winter Transition	
Winter Weekly Update	
TOU Web Insights	

TOU Introduction Experience

Welcome to your Rate Coach, a weekly email designed to help you save the most money on your rate plan!

You're currently on a plan that charges different hourly rates throughout the day. We want to help you save money by using less electricity when it's most expensive.

On weekdays, electricity is 1.5x more expensive from 4pm-9pm

Here's how you used electricity this week

What parts of your routine could you do at off-peak times?

How can you save big during peak hours?

Appliances like these use a lot of energy. By using them at lower-priced, off-peak times, you'll see more savings.

Washer/Dryer, Pool Pump, Air Conditioner, Dishwasher

These low-energy appliances can be used any time: TV, lights, microwave, phone charger

Week over Week Coaching

Great job! You spent \$6 less on electricity during peak hours this week

This week's peak spend: \$37
Last week's peak spend: \$43

On weekdays, electricity is 1.5x more expensive from 4pm-9pm

Here's how you used electricity this week

What parts of your routine could you do at off-peak times?

Delay running your dryer

Your washing machine uses a lot less energy than your dryer. Get started on laundry before dinner, but don't put your clothes in the dryer until before or after peak hours—you'll save money!

SEE MORE WAYS TO SAVE

Monthly Peak Usage Summary

Track your progress so far this summer

This month, your lowest peak spend was the week of July 16-22

On weekdays, electricity is 1.5x more expensive from 4pm-9pm

Here's how you used electricity this week

What parts of your routine could you do at off-peak times?

Use a toaster oven or microwave instead of your oven

While it may be difficult to change your dinner time, you can use smaller cooking appliances and still save money during on-peak periods. Instead of using your oven, use a microwave or toaster oven and use up to 80% less energy.

SEE MORE WAYS TO SAVE

Recommendation



During the evaluation process, the team found that while each of the 3 options have individual strengths, a better customer and education experience can happen when the 3 recommendations are used together in steps.

The 3-step recommendation:

Step 1: Rate Comparison & Education Reports

- Sent 2-3 times a year by mail & email to all customers not enrolled
- Provides what a customer would have paid on an alternative rate with education

Step 2: Online Rate Analysis Tool

- Provides a deeper level of engagement using personalized data to make best decisions

Step 3: Post-Enrollment Reports

Recommendation

Step 1: Rate Education Reports

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Your Rate Comparison Report
June 1, 2018
Account number 1000001

We've put together this report to help you understand your energy use, rate plan and what you can do to save.

Find a list of rate plans and energy-saving products and services you can buy.
utilityco.com/myenergytools

Learn how different rate plans work for you

You're currently on Standard tier.

- Standard tier**
As you use more electricity during your bill period, the price goes up with each tier.
- Time of use**
Your bill varies depending on when you use electricity and how much you use.
- Electric vehicle**
The same as Time of Use, but ideal for those who own an electric car.

What do different rate plans cost?
Avg over past 12 months

Rate Plan	Estimated Cost
Standard tier	\$130
Time of use*	\$110
Electric Vehicle*	\$105

Last year, you would have saved more on Time of use.
\$13 savings per month

*Estimated values. This comparison is based on your hourly energy use from the last 12 months.

Take charge of your next bill
Log in to your UtilityCo account to view a full list of rate plans and find energy-saving products and services to purchase to help lower your energy costs at www.utilityco.com.

Turn over →

Step 2: Online Rate Analysis Tool

Your lowest cost rate plan
Based on your electricity use history, you'll save the most on the Time-of-Use + SmartRate™ rate plan.

Rate Plan	Estimated Cost per Year	Additional Info
Your Current Rate	\$925	Time-of-Use (E6) SmartRate™ what's this? 100% Solar Choice what's this?
Lowest Cost Save \$135	\$790	Time-of-Use (E6) SmartRate™ what's this?

CHANGE YOUR RATE PLAN

Step 3: Post-Enrollment Reports

Welcome to your Rate Coach, a weekly email designed to help you save the most money on your rate plan!

You're currently on a plan that charges different hourly rates throughout the day. We want to help you save money by using less electricity when it's most expensive.

On weekdays, electricity is 1.5x more expensive from 4pm-9pm

Time	Off-peak (\$)	Peak (\$55)
12am	Low	Low
4pm	Low	High
9pm	Low	High
11pm	Low	High

Here's how you used electricity this week
What parts of your routine could you do at off-peak times?

Time	Usage (kWh)
12am	2.5
4pm	4.5
9pm	4.5
11pm	3.0

How can you save big during peak hours?
Appliances like these use a lot of energy. By using them at lower-priced, off-peak times, you'll see more savings.

- Washer/Dryer
- Pool Pump
- Air Conditioner
- Dishwasher

These low-energy appliances can be used any time: TV, lights, microwave, phone charger

Evaluation Recommendation



Shadow Billing Options Recommendation				
	Timeline	3 Year Cost Summary		
		MO Total	GMO	KCP&L-MO
Online Rate Analysis Tool	*Yes			
Rate Education Reports	*Yes			
Post-Enrollment Reports	*Yes			
Recommendation 3 Year Total				

*Timeline can be met within 6-8 months from 10/1, need final decision in January to go live 10/1

*Costs are estimates and could scale up or down based on enrollment goals, achieved enrollments, quantity of mailings per year, etc.

Customer Research Plan Draft

Customer Research Plan Draft



Purpose

As part of the 2018 TOU settlement, KCP&L agreed to develop a comprehensive Customer Research Plan.

Goal

The goal of the Customer Research Plan is to capture and leverage customer feedback to help drive decision making processes related to all aspects of marketing, program design and continuous improvement opportunities.

What is Customer Research?



Part of market research in which the preferences, motivations, and buying behavior of the targeted customer are identified through direct observation, mail surveys, telephone or face to face interviews, and from published sources (such as demographic data).

Read more: <http://www.businessdictionary.com/definition/consumer-research.html>

Why do it?

1. Understanding what our customers want and expect
2. Gauging their interest on products, services, etc.
3. Finding useable, actionable intelligence
4. Inform both product and marketing teams' decisions

Research Objectives



1. Analyze Customer's peak time usage and behaviors
2. Understand Customer's reaction to the TOU rate offering
3. Identify Customers who are most likely to participate
4. Test Messaging
5. Get Feedback on tools, language, billing, etc.
6. Measure Customer Satisfaction post-enrollment
7. Study Opt-Out Customers
8. Assess Customers who were interested but didn't enroll
9. Monitor Behavior Changes

Customer Research Tools



Qualitative

- Focus Groups

Quantitative

- Online Panels
 - KCP&L's Customer Advisory Panel
 - Third-party panels
- Online Survey
 - Randomly Selected KCP&L Customers (with Email Address)
 - Participants/Opt-Outs
- Phone Survey
- Snail Mail Survey

Proposed Timeline



TOU Rate Customer Research Plan

	2019												2020											
Research Description	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Focus Groups	■																							
Initial Customer Reaction		■																						
Customer Segments			■																					
Customer Tools & Billing							■																	
Post Enrollment										■	■	■	■	■	■	■	■	■	■	■				
Opt-Out										■	■	■	■	■	■	■	■	■	■	■				
Non-Enrollment Follow-up										■	■	■	■	■	■	■	■	■	■	■				
Focus Groups														■										
Behavior Changes																■	■	■	■	■	■	■	■	■

Understand Behavior



Objective: Understand peak usage behaviors.

Specifically:

1. With Kids
2. No Kids
3. EV Owners
4. Low-Income
5. Elderly
6. Fixed Income

Why: What can we expect our customers to shift?

Timing: Q1 of 2019

Method: Focus Groups

Cost: [REDACTED] per session

Gauge Reaction

Objective: Gauge initial reaction to program

Measure initial reaction to the TOU program, likes/dislikes, understanding, interest and potential changes.

Why: Revise TOU messaging based on feedback.



Timing: Q1 of 2019

Method: Online Panel

Cost: ██████

Customer Segments



Objective: Identifying customer segments likely to participate in TOU.

Measure likelihood of customers to participate in our program. Find out likes/dislikes. Messaging test. Identify customers most likely to monitor usage and change behavior.

Why: Understand who to target.

Timing: Q1 of 2019

Method: Online Survey

Cost: [REDACTED]

Tools and Billing

Objective: Testing enrollment tools for ease of use/understanding.

Measure customer reaction and understanding of any tools we may offer (ie rate calculators, sign up forms, etc.).

Why: Opportunity to make adjustments before we go live with the program to a larger audience.



Timing: Q3 of 2019

Method: Online Panel

Cost: ████

Post-Enrollment

Objective: Determine customer satisfaction with program and enrollment.

Follow up 2-3 weeks after enrollment. Identify any pain points or needed improvements.

Why: Make any adjustments to the enrollment process. Additionally it will inform future strategy and TOU offerings.



Timing: Q4 2019 to Q4 2020

Method: Online Survey

Cost: [REDACTED]

Opt-Outs

Objective: Determine why customers opt-out of TOU program.

Follow up quickly after opting out of TOU program. Identify any pain points or needed improvements.

Why: Make any adjustments to the enrollment process. Additionally it will inform future strategy and TOU offerings.



Timing: Q4 2019 to Q4 2020

Method: Online Survey

Cost: [REDACTED]

Non-Enrollment

Objective: Determine why customers were interested, but did not enroll.

Follow up after a customer showed interest, but did not enroll. Understand what barriers kept them from enrolling.

Why: Make any adjustments to the enrollment process. Additionally it will inform future strategy and TOU offerings.

This research is geared toward understanding if customers are satisfied. It will also help us identify areas that need improvement and why some customers did not participate.



Timing: Q4 2019 to Q4 2020

Method: Online Survey

Cost: [REDACTED]

Behavior Change



Objective: Understand satisfaction with TOU plan and identify what behaviors have changed.

1. With kids
2. No kids
3. EV Owners
4. Low-Income
5. Elderly
6. Fixed Income

This research is focused on the TOU program, but also what behaviors changed and did and did not change.

Why: Develop and improve future TOU programs.

Timing: Q1 2020

Method: Focus Group

Cost: [REDACTED] per session.

Behavior Change



Objective: Understand satisfaction with TOU plan and identify what behaviors have changed.

This research is focused on the TOU program, but also what behaviors changed and did and did not change.

Why: Develop and improve future TOU programs.

This type of analysis can help us identify new segments for future program participation.

Timing: Q2 2020-End of year

Method: Online Survey

Cost: [REDACTED]

Estimated Budget



Research Activity	Three Year Cost Summary
Focus Groups- [REDACTED]	[REDACTED]
Online Advisory Panel	[REDACTED]
Email to Customers	[REDACTED]
Post-Enrollment Survey x 12 mos.	[REDACTED]
Opt-Out Survey x 12 mos.	[REDACTED]
Non-Enrollment x 12 mos.	[REDACTED]
Behavior Focus Groups x 6	[REDACTED]
Behavior Change Survey x 9	[REDACTED]
Total	[REDACTED]

Key Takeaways



- **What** messaging motivates customers to adopt TOU
- **Which** customers are likely to adopt TOU
- **What** behaviors customers will change and what they won't
- **Opportunities** for a better TOU program and process

Customer Feedback Mechanism Discussion

Customer Feedback Mechanism



Purpose

As part of the 2018 TOU settlement, KCP&L agreed to develop a process to capture, track, and report on (upon request) customer feedback related to the TOU rate.

Goal

The goal of the Customer Feedback Mechanism is to leverage captured customer feedback to determine program success and identify continuous improvement opportunities.

Customer Feedback



Customer Behavior Metrics Discussion

Customer Behavior Metrics



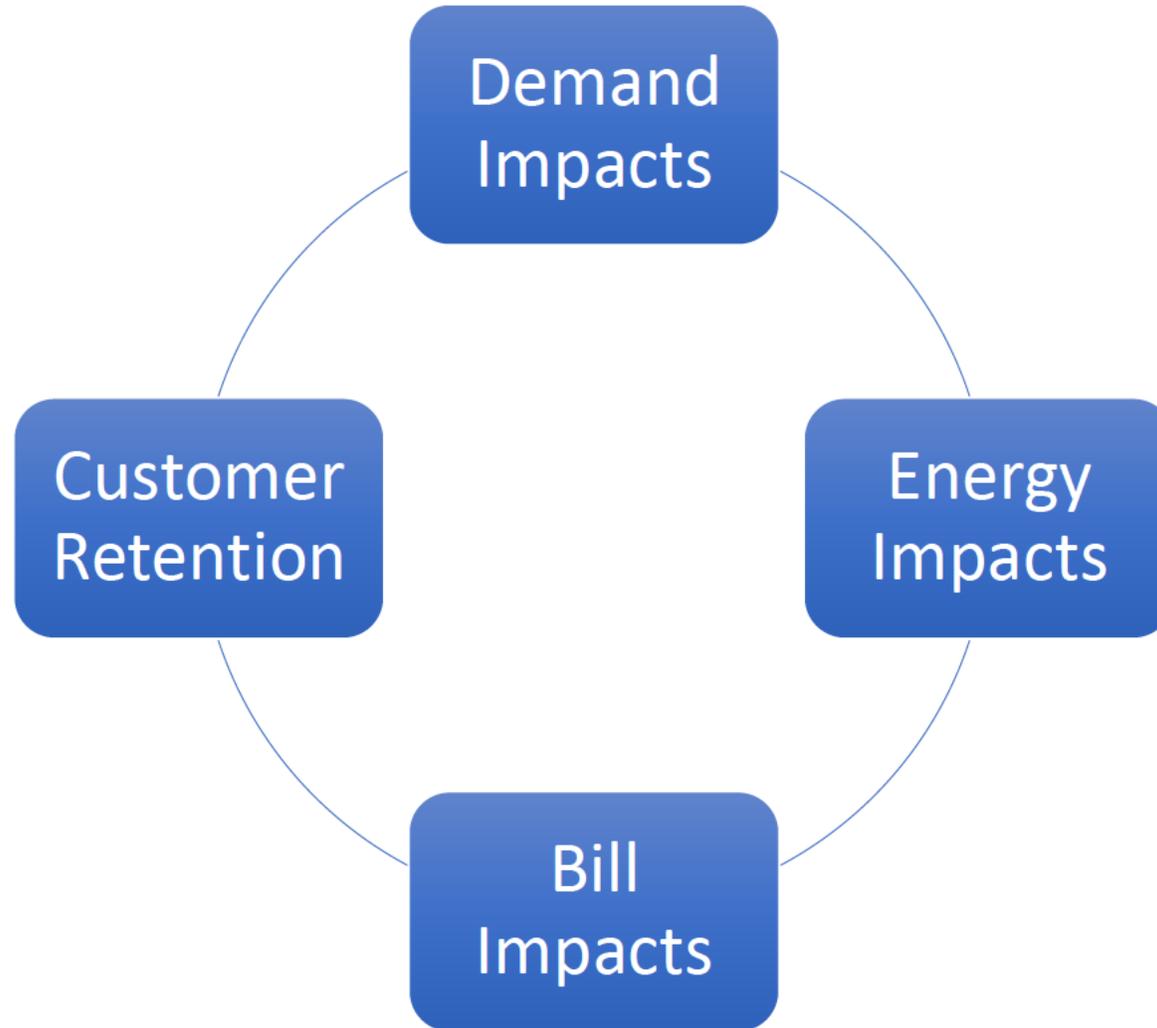
Purpose

As part of the 2018 TOU settlement, KCP&L agreed to develop metrics to gauge changes in customer behavior.

Goal

The goal of Customer Behavior Metrics is to gauge changes in customer behavior and identify impacts resulting from those behavior changes.

Customer Behavior Metrics



TOU Tariff Revision Request

TOU Tariff Revision Request



Request

- Make weekday holiday pricing off-peak and super off-peak only

Reasoning

- Inclusion of holidays as peak could deter participation and impact customer success on rate
- Most utilities with TOU rates exclude peak weekday holiday pricing

Sample of Utilities Excluding Peak Weekday Holiday Pricing			
Utility	TOU Rate	Weekend Off Peak	Holiday Off Peak
Empire	Optional TOU Adjustment	Y	Y
Westar	Time of Use Rate	Y	Y
Oklahoma Gas and Electric	SmartHours	Y	Y
Xcel	Time-of-Day	Y	Y
Idaho Power	Time of Day Plan	Y	Y
Colorado Springs Utilities	Time of Use Rate	Y	Y
Alectra Utilities	Time of Use Pricing	Y	Y
Arizona Public Service	Saver Choice	Y	Y
San Diego Gas and Electric	Time of Use	Y	Y
Fort Collins Utilities	Time of Day Pricing	Y	Y
Minnesota Power	Time of Day Rate	Y	Y

Next Steps

Next Steps



Begin Customer Research Plan In January

Shadow Billing Decision Needed

File Today's Presentation With The Commission

File For Requested Tariff Revision

General Discussion + Summary