Exhibit to Agenda Item #1

Present the 2022 J.D. Power Electric Utility Residential Customer Satisfaction Study, Electric Utility Business Customer Satisfaction Study, and Sustainability Leadership Program.

Board Strategic Development Committee and Special SMUD Board of Directors Meeting

Tuesday, March 7, 2023, scheduled to begin at 6:00 p.m.

SMUD Headquarters Building, Auditorium



2022 J.D. Power Study Results Overview

March 7, 2023



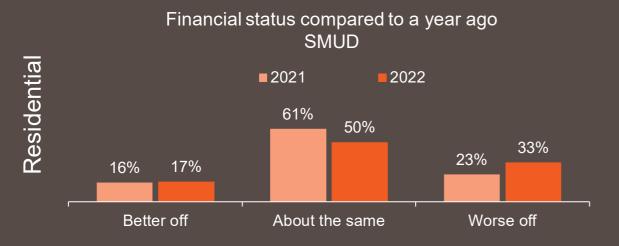
J.D. Power Utility Studies

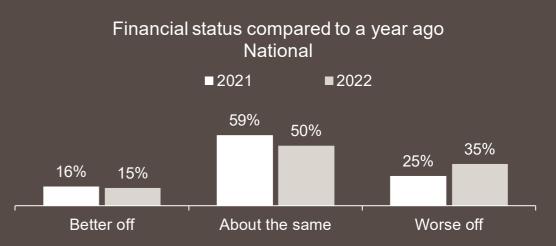
Study	Description
Electric Utilities Electric Utility Residential Customer Satisfaction Study	Measures satisfaction with large and midsize electric utility companies in four U.S. regions: East, Midwest, South and West and provides the electric utility industry with insights into the evolving needs and
(2001 to present)	demands of their customers.
Electric Utility Business Customer Satisfaction Study (2004 to present)	SMUD is classified as a West Large utility in the residential customer study and as a West Midsize utility in the business customer study.
Sustainability Leadership	The J.D. Power Sustainability Leadership Program benchmarks
Syndicated Study (2020 to present) Proprietary Study (2021)	environmental performance, delivers best practices and recognizes outstanding leadership in addressing climate change.
<u>Digital Experience</u>	The Utility Digital Experience Study assesses how customers interact with their utility website and mobile app as well as with the online social,
Utility Digital Experience Study (2020 to present)	email, chat and text functions offered by the 36 largest electric, natural gas and water utilities in the United States.

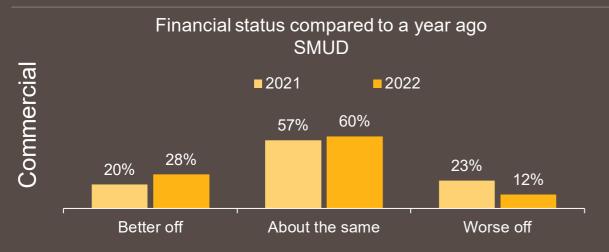


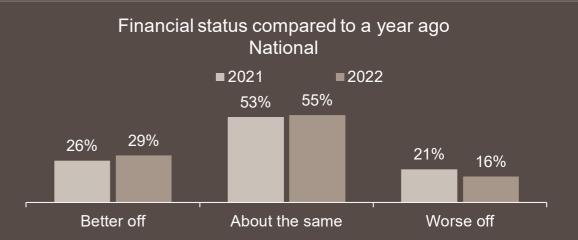
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Residential Consumers are Feeling Worse Off









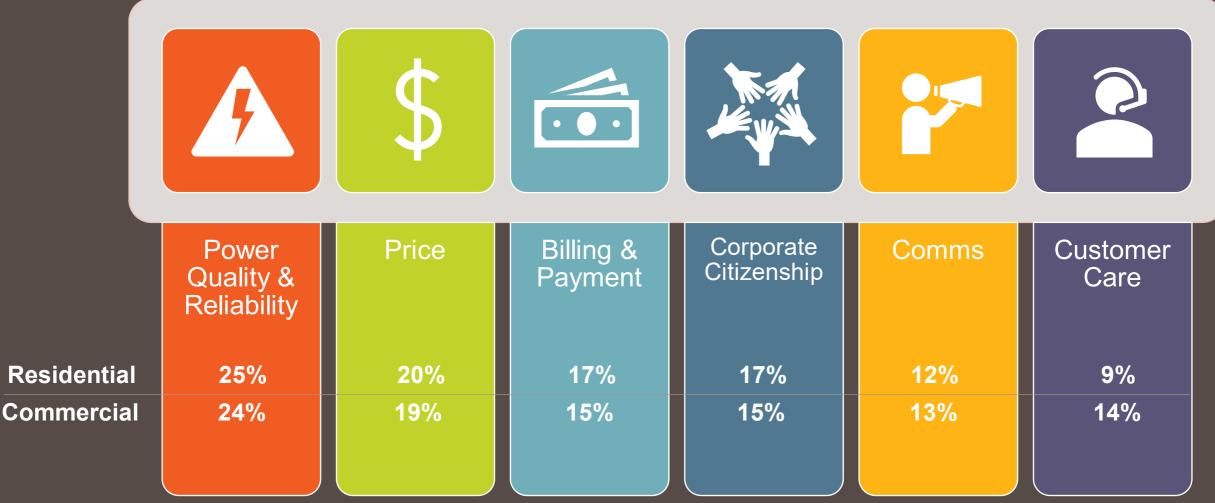
Compared to a year ago, would you say you are financially...?

Residential: 2021 - SMUD n=767, National n=98,666, 2022 - SMUD n=894, National n=100,402

Commercial: 2021 - SMUD n=116, National n=16,834, 2022 - SMUD n=121, National n=18,694



The J.D. Power Satisfaction Model



Source: 2022 J.D. Power Electric Utility Residential Customer Satisfaction Study Source: 2022 J.D. Power Electric Utility Business Customer Satisfaction Study



2022 Large Utility Award Winners

SRP was recognized as the top ranked utility within the West Large region with a CSI score of 796.

SMUD ranked second with a score of 764.

6



Source: J.D. Power Electric Residential Customer Satisfaction Study 2022



West Large Overall CSI Results 2022

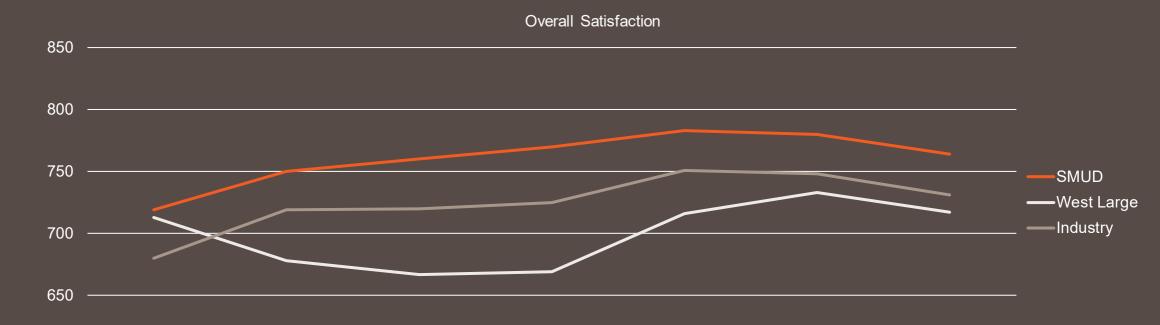
West Large CSI Rankings



Source: J.D. Power Electric Residential Customer Satisfaction Study 2022



SMUD Residential Satisfaction Trends



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	2016	2017	2018	2019	2020	2021	2022
CA Rank	1	1	1	1	1	1	1
West Large Rank	2	2	2	2	2	2	2
Industry Rank	15	16	18	15	20	27	28

Note: The J.D. Power Residential Customer Satisfaction Study is fielded quarterly.



Residential Index Trends Over Time





SMUD Residential Performance 2021 vs. 2022

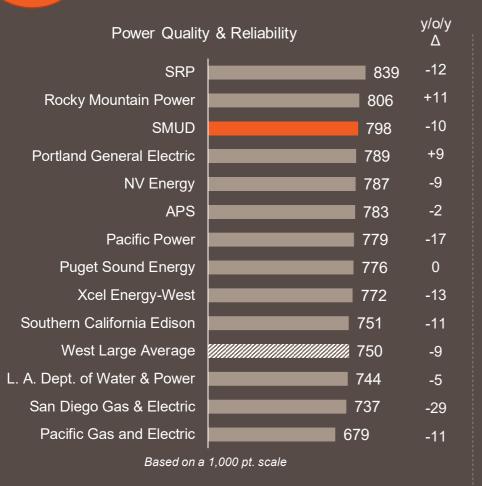
		SMUD		West Large	Industry
	2021	2022	2021 vs. 2022 Δ	2021 vs. 2022 Δ	2021 vs. 2022 Δ
Overall Satisfaction	780	764	-16	-16	-17
Corporate Citizenship	750	729	-21	-20	-21
Billing & Payment	835	820	-15	-15	-13
Power Quality & Reliability	808	798	-10	-9	-9
Price	720	695	-25	-27	-31
Communications	746	732	-14	-11	-15
Customer Care	849	835	-14	-14	-15

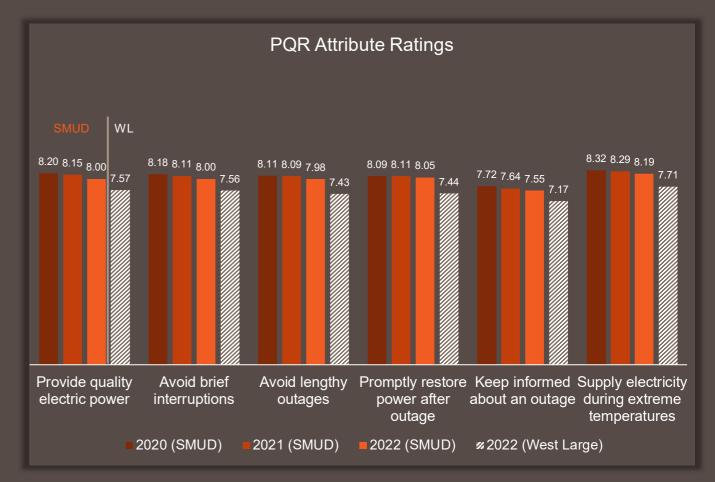
Source: J.D. Power Electric Residential Customer Satisfaction Study 2022 2021: SMUD n=788, 2022: SMUD n=925



Power Quality & Reliability 25%

SMUD Residential PQR Performance





Based on an 10pt. scale where 1= Unacceptable and 10 = Outstanding

Source: J.D. Power Electric Residential Customer Satisfaction Study 2022 SMUD n=925, West Large n= 14,628 How would you rate the effectiveness of SMUD to....?



Power Quality & Reliability 25%

Best Practices – Outage text alerts

SRP was recently recognized by J.D. Power for being a top utility for sending text messages to their residential customers with outage information.

Comparatively, 30% of SMUD residential customers report 'utility sent text message'.

Outage Alerts: Top Brands at Texting Customers with Outage Information

should be back on.

Highest Nation	Utility sent text message	
Entergy Louisiana	\$ %	57%
Entergy Mississippi	\$ %	50%
Duke Energy Progress	\$ %	47%
Entergy Arkansas	\$ %	47%
Entergy New Orleans	\$ %	46%
SRP	\$ %	46%
Duke Energy Carolinas	\$ %	44%
Entergy Texas	\$ %	43%
Duke Energy Florida	\$ %	42%
PSEG Long Island	\$ %	42%

Outage Alerts tell you when...

We'll give you an estimate of when your power



We're on the way

We'll let you know when our service crew is dispatched.



We know more details

We'll tell you what caused the outage and how many were impacted.



Power is back

We'll confirm when power is restored.

https://cloud.mail.myentergy.com/stay-informed

J.D. POWER

Source: J.D. Power Electric Residential Customer Satisfaction Study 2022 SMUD n = 349

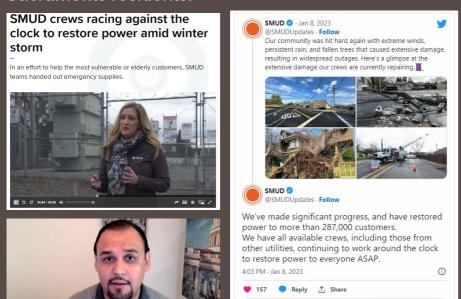
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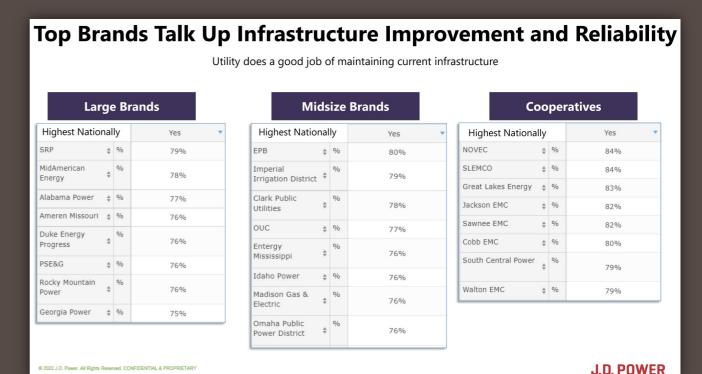


Power Quality & Reliability 25%

Best Practices – Top brands talking infrastructure improvement

SRP was recently recognized by J.D. Power for being a top utility for talking about infrastructure improvement and reliability. Comparatively, 71% of SMUD residential customers feel SMUD maintains its current infrastructure. However, January 2023 storm events have brought SMUD top of mind to Sacramento residents.





Source: J.D. Power Electric Residential Customer Satisfaction Study 2022 SMUD n = 925

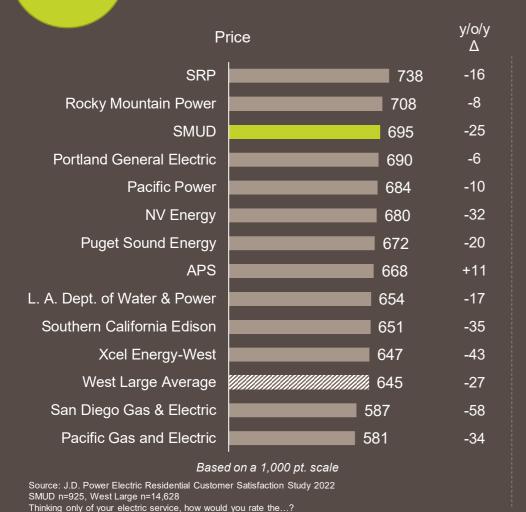


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Read 27 replies

Price 20%

SMUD Residential Price Performance





Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding



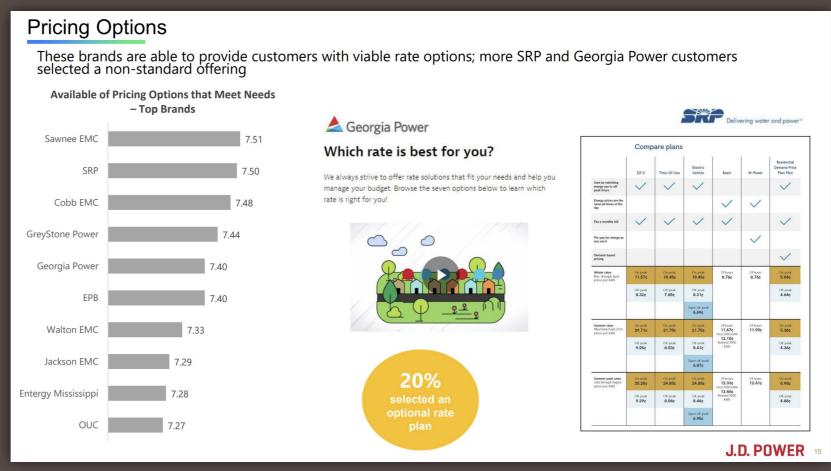
Price 20%

Best Practices – Pricing Options

SRP was recognized for being a top utility offering pricing options that meet the needs of residential customers with a score of 7.50 on a 10-point scale where 10 = Outstanding.

SMUD received a score of 6.94 on that same question.

15

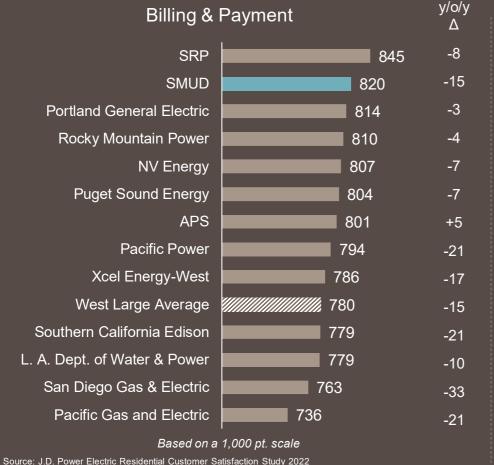


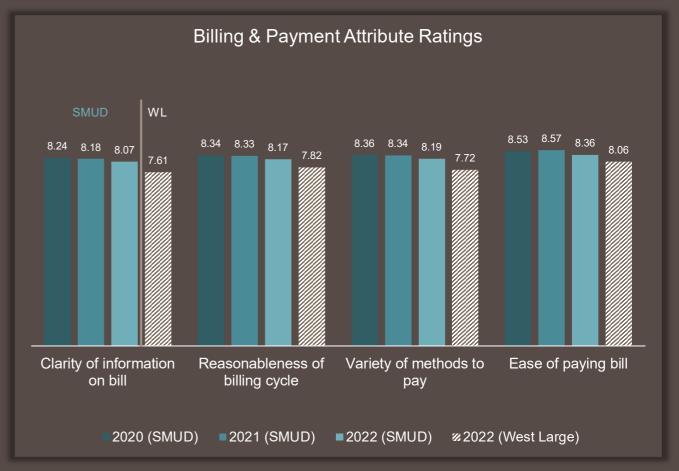
Source: J.D. Power Electric Residential Customer Satisfaction Study 2022 SMUD n = 925



Billing & Payment 17%

SMUD Residential Billing & Payment Performance





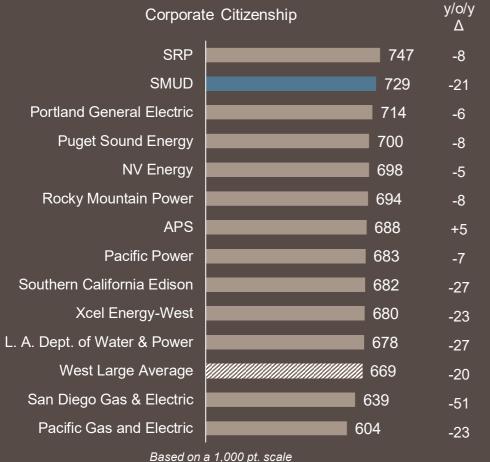
Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding



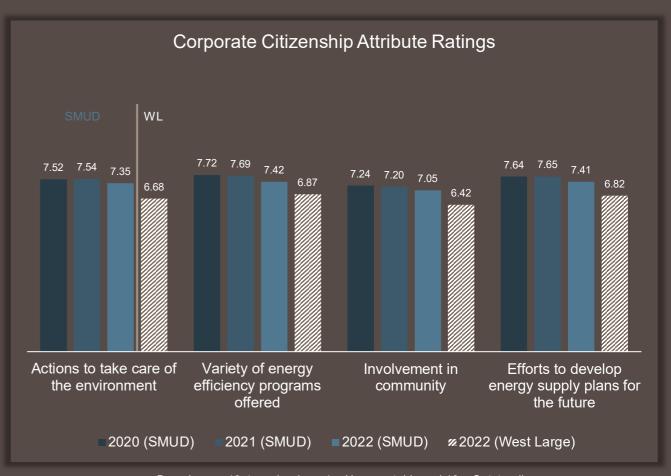
SMUD n=925, West Large n=14,628
Thinking about the billing and payment process with SMUD, how would you rate the...?

Corporate Citizenship 17%

SMUD Residential Corporate Citizenship Performance







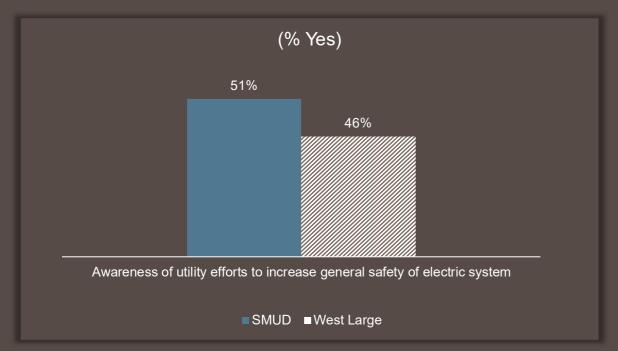
Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding



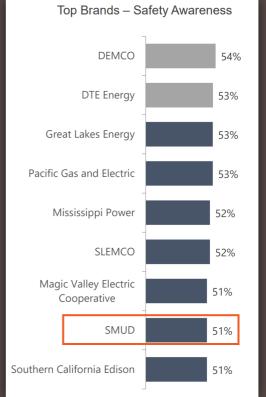
Corporate Citizenship 17%

Awareness of utility efforts to increase the safety of the electric grid

51% of SMUD residential customers are aware of SMUD's efforts to increase the general safety of the electric system which is higher than the West Large results of 46%. SMUD was also recognized as a best practice in this area.



Source: J.D. Power Electric Residential Customer Satisfaction Study 2022 SMUD n=925, West Large n= 14,628 Which of the following activities, if any, are you aware of SMUD doing?

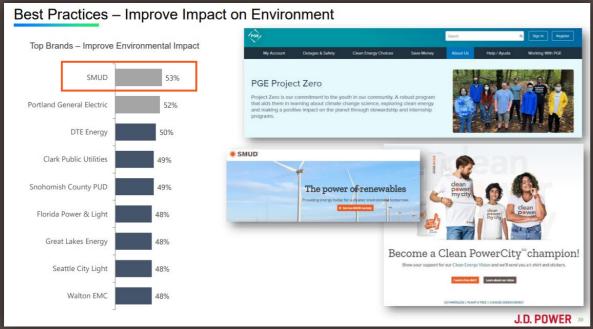




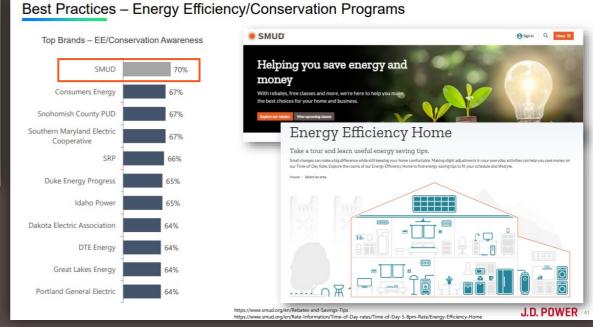




SMUD recognized as the best practice



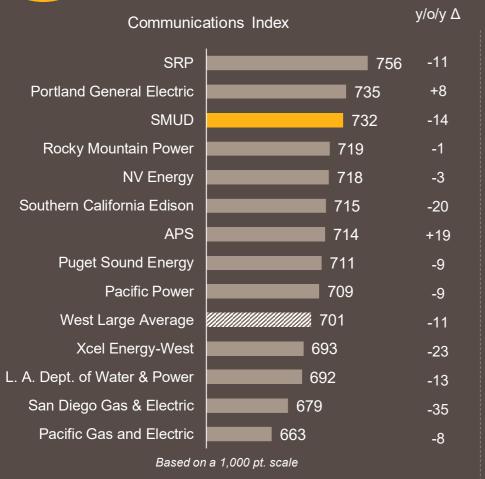
Source: J.D. Power Electric Residential Customer Satisfaction Study 2022 SMUD n = 925

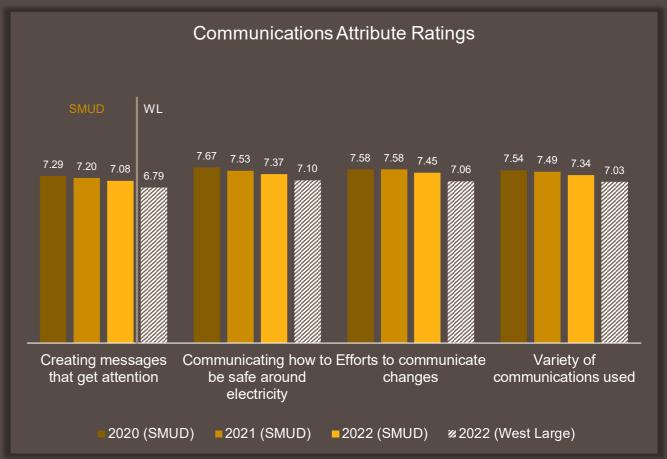




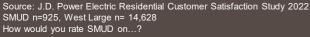
Communications 12%

SMUD Residential Communications Performance



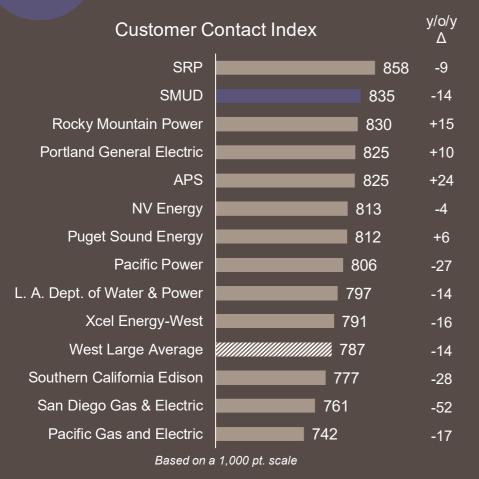


Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding

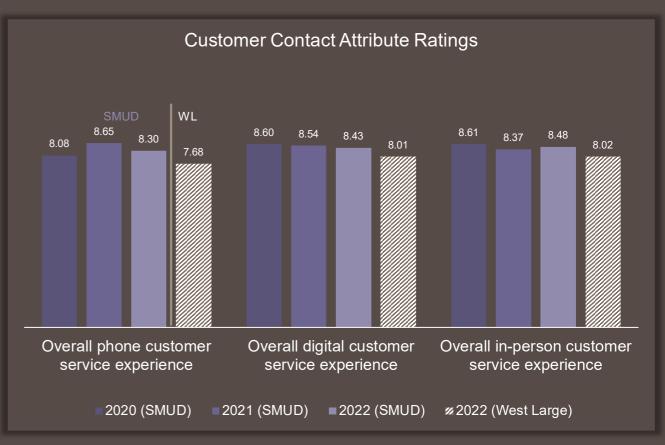




SMUD Residential Customer Contact Performance



Customer contact questions only asked of respondents who had an interaction with SMUD in the past 3 months Source: J.D. Power Electric Residential Customer Satisfaction Study 2022 SMUD n=479, West Large n=7,704 How would you rate your...?



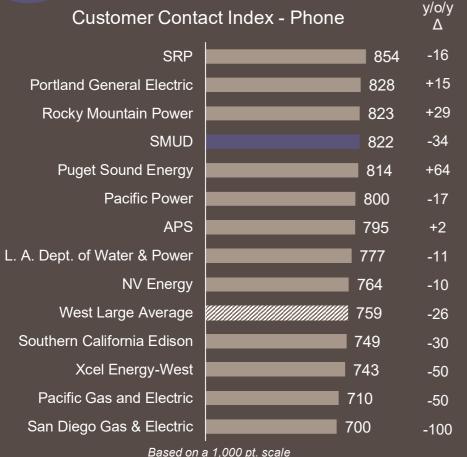
Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding

Phone includes phone representative, IVR-full service, hybrid Digital includes website visit (desktop, mobile), chat Proactive includes contact from a SMUD representative



SMUD Residential Customer Contact Performance

Phone (Phone representative, IVR – full self-service, hybrid)

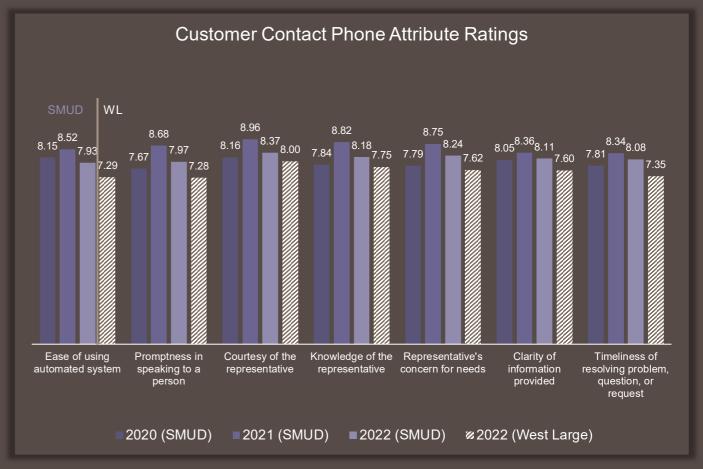


Customer contact questions only asked of respondents who had an interaction with SMUD in the past 3 months

SMUD n=106, West Large n=2,259

How would you rate your SMUD call experience on...?

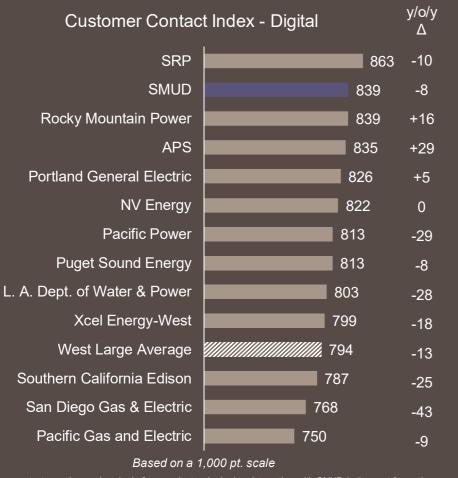
Source: J.D. Power Electric Residential Customer Satisfaction Study 2022



Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding

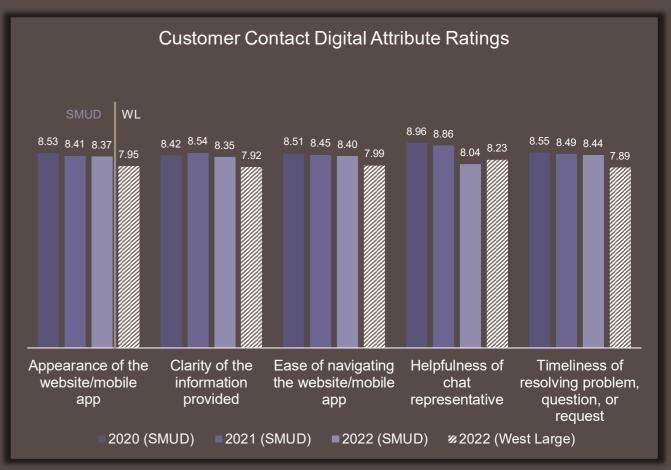


SMUD Residential Customer Contact Performance Digital (Website - desktop/mobile, Mobile app, Chat)



Customer contact questions only asked of respondents who had an interaction with SMUD in the past 3 months Source: J.D. Power Electric Residential Customer Satisfaction Study 2022 SMUD n=414, West Large n=6,388

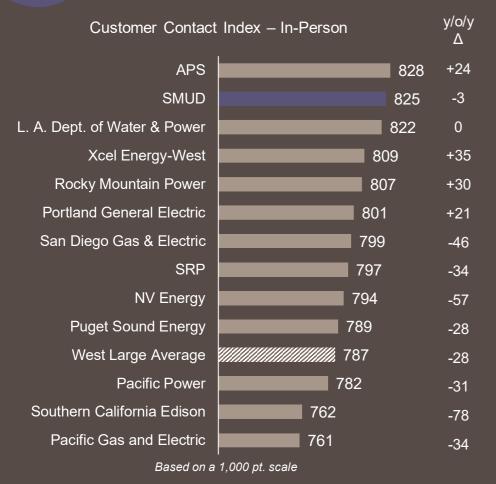
Thinking about your most recent website visit/mobile app use with SMUD, how would you rate the...?

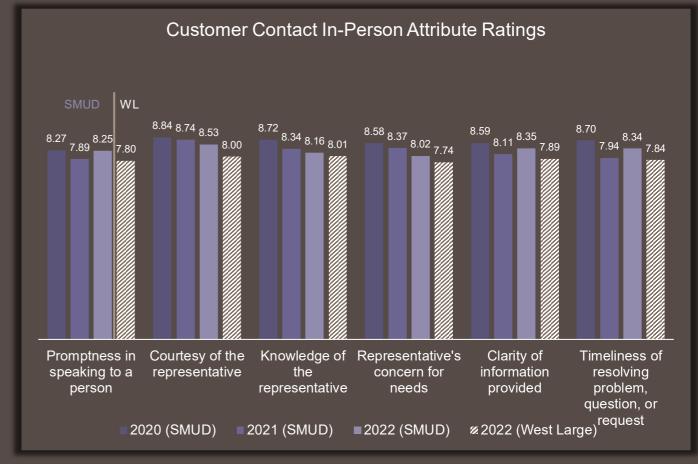


Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding



SMUD Residential Customer Contact Performance In-Person (Lobby/CSC)





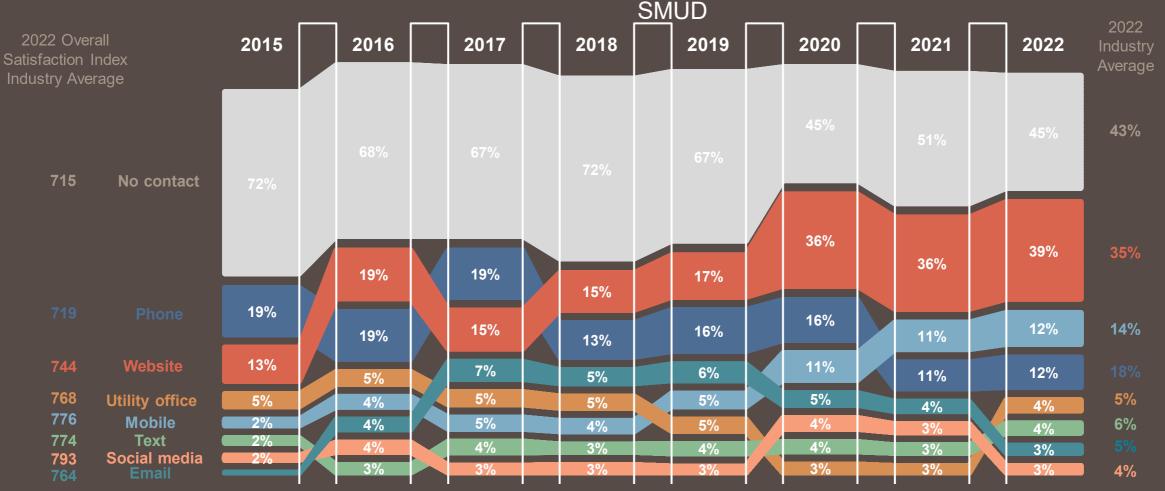
Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding

Customer contact questions only asked of respondents who had an interaction with SMUD in the past 3 months Source: J.D. Power Electric Residential Customer Satisfaction Study 2022 SMUD n=39, West Large n=706 How would your rate the support you received from SMUD with respect to...?



Digital is now the primary customer service channel

Percentage of Customers by Contact Channel



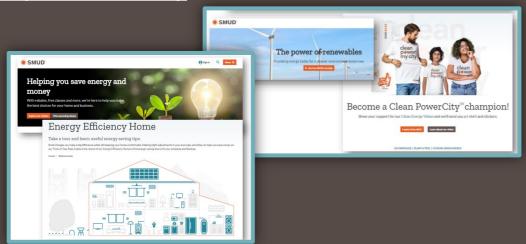
Source: J.D. Power Electric Residential Customer Satisfaction Study 2022



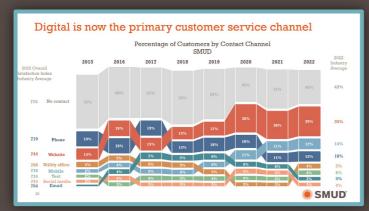
Areas of Focus: 2022 Electric Residential Customer Satisfaction

Continue

Corporate Citizenship

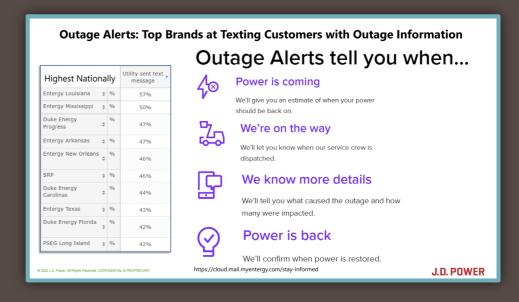


Customer Contact



Consider

Infrastructure and Reliability





J.D. Power Satisfaction Overview Business Results



2022 Midsize Utility Award Winners

Seattle City Light was recognized as the top ranked utility within the West Midsize region. SMUD's CSI rating (797) was very close to Seattle City Light (799), only two index points behind.

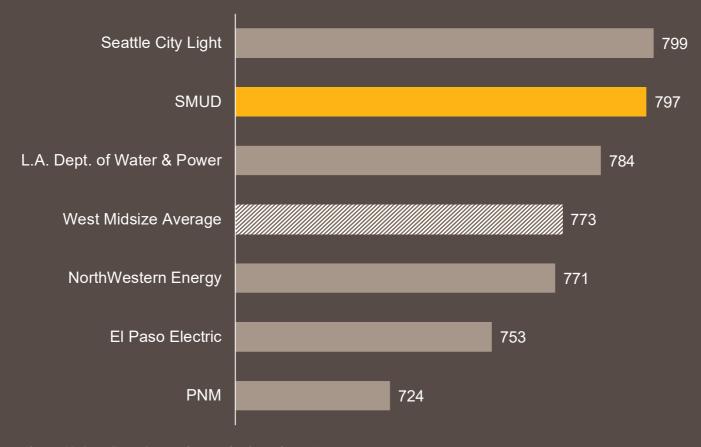


Source: J.D. Power Electric Business Customer Satisfaction Study 2022



West Midsize Overall CSI Results 2022

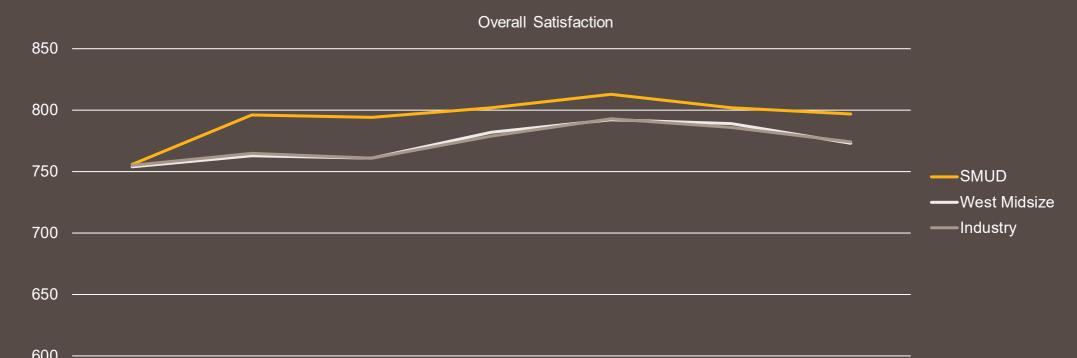
West Midsize CSI Rankings



Source: J.D. Power Electric Business Customer Satisfaction Study 2022



SMUD Commercial Satisfaction Trends



	2016	2017	2018	2019	2020	2021	2022
CA Rank	3	1	1	1	1	1	1
West Midsize Rank	3	1	1	3	2	2	2
Industry Rank	32	10	6	13	16	22	13

Note: The J.D. Power Business Customer Satisfaction Study is fielded semi-annually (Feb/May, Jun/Oct).

Commercial Index Trends Over Time







SMUD Commercial Performance 2021 vs. 2022

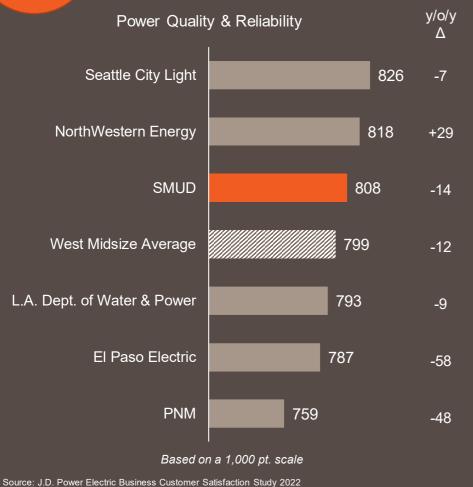
		SMUD		West Midsize	Industry
	2021	2022	2021 vs. 2022 Δ	2021 vs. 2022 Δ	2021 vs. 2022 Δ
Overall Satisfaction	802	797	-5	-16	-12
Corporate Citizenship	774	788	+14	-18	-20
Billing & Payment	833	824	-9	-8	-2
Power Quality & Reliability	822	808	-14	-12	-7
Price	762	757	-5	-19	-20
Communications	773	778	+5	-27	-19
Customer Care	836	840	+4	-12	-10

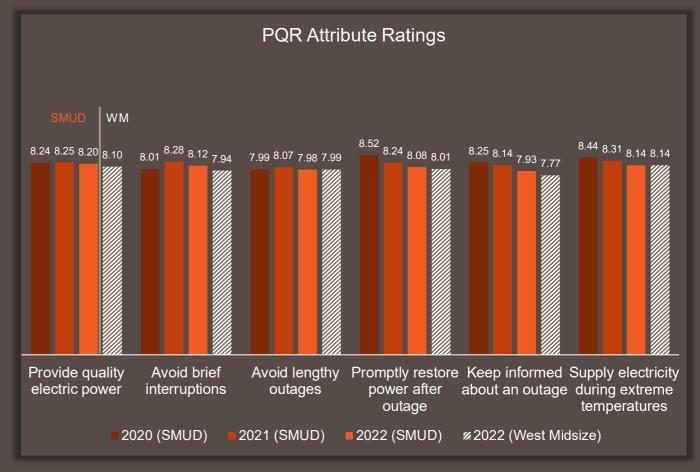
Source: J.D. Power Electric Business Customer Satisfaction Study 2022 2021: SMUD n=116, 2022: SMUD n=121



Power Quality & Reliability 24%

SMUD Commercial PQR Performance



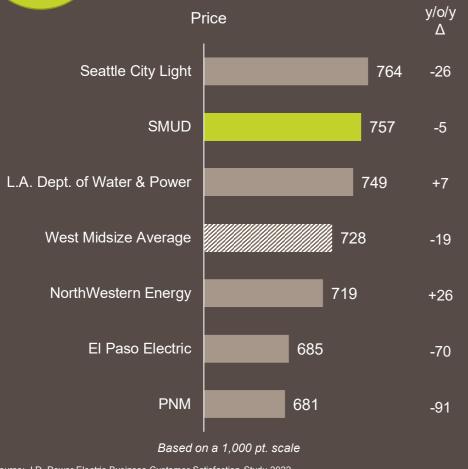


Based on an 10pt. scale where 1= Unacceptable and 10 = Outstanding



Price 19%

SMUD Commercial Price Performance





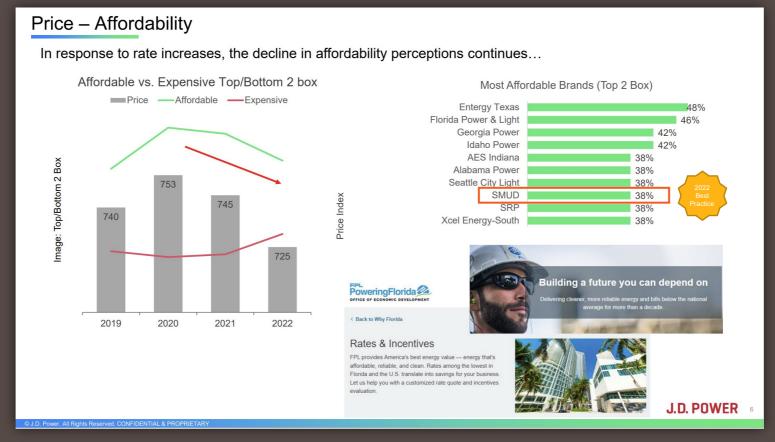
Thinking only of your electric service, how would you rate the...?



Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding



SMUD recognized as one of the country's most affordable utility brands



Source: J.D. Power Electric Business Customer Satisfaction Study 2022 SMUD n = 121

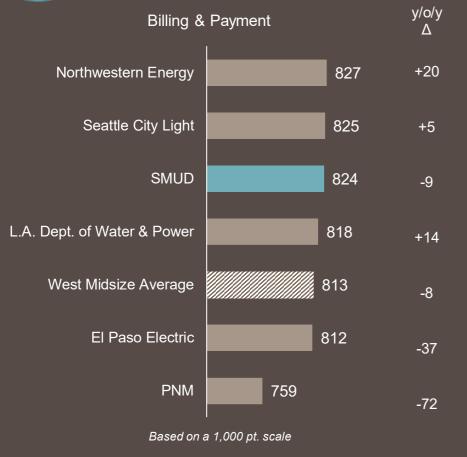
Please take a look at the pairs of statements below and select the button that best represents the degree to which one of the statements better describes SMUD. 1 = Expensive, 7 = Affordable (Top 2 Box = 6 and 7 ratings).



35

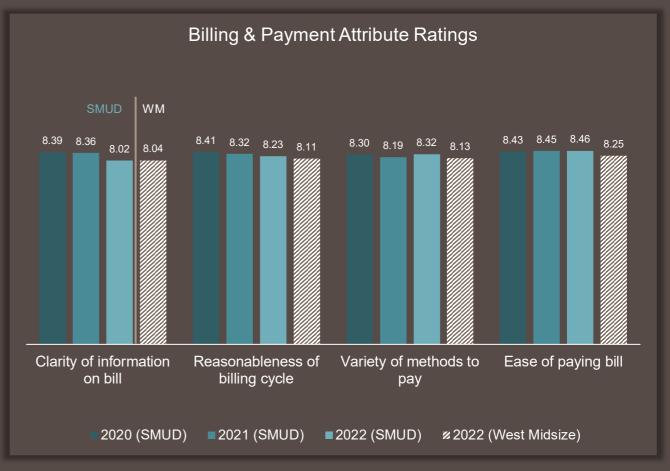
Billing & Payment 15%

SMUD Commercial Billing & Payment Performance



Source: J.D. Power Electric Business Customer Satisfaction Study 2022 SMUD n=121, West Midsize n=737

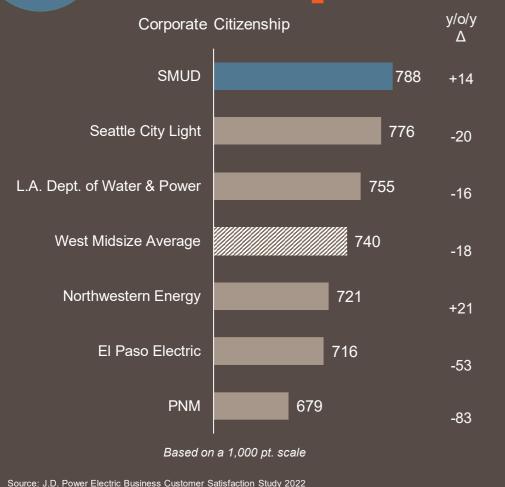
Thinking about the billing and payment process with SMUD, how would you rate the ...?

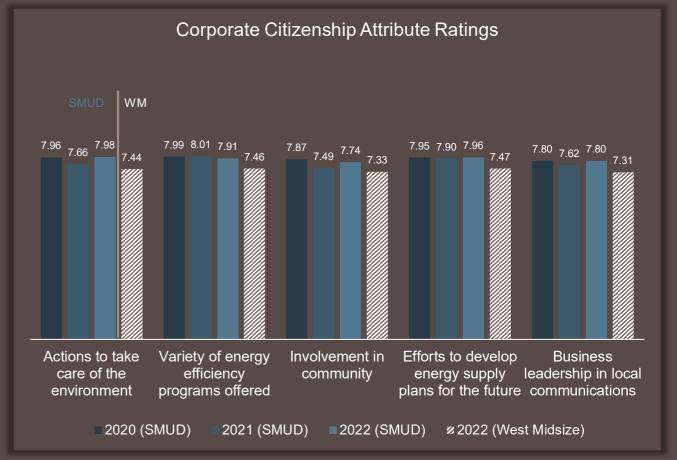


Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding



SMUD Commercial Corporate Citizenship Performance





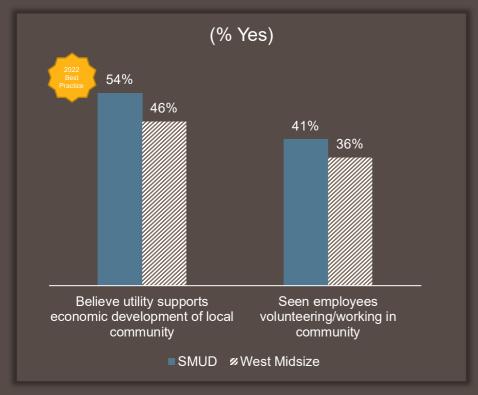
Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding



SMUD n=121, West Midsize n=737

Presence of utility in the community

54% of SMUD commercial customers believe their utility supports economic development of the local community and 41% report seeing SMUD employees volunteering/working in the community. SMUD was also recognized as a best practice for supporting economic development of the local community tied for 2nd in the nation.



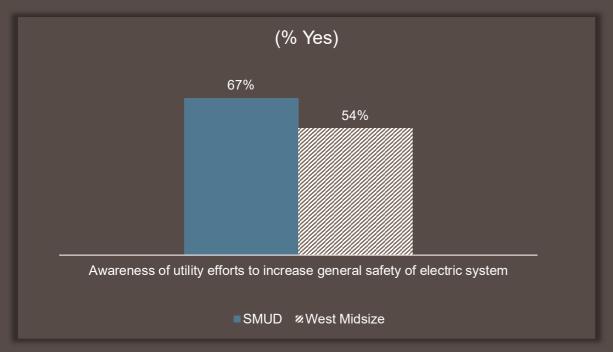
Source: J.D. Power Electric Business Customer Satisfaction Study 2022 SMUD n=121, West Midsize n=737 Which of the following activities, if any, are you aware of SMUD doing?



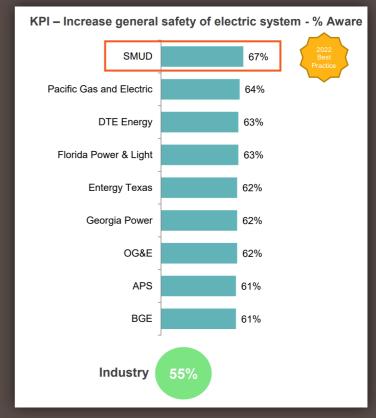


Awareness of utility efforts to increase the safety of the electric grid

67% of SMUD commercial customers are aware of SMUD's efforts to increase the general safety of the electric system which is notably higher than the West Midsize results of 54%. SMUD was also recognized as a best practice and top in the nation in this <u>area</u>.



Source: J.D. Power Electric Business Customer Satisfaction Study 2022 SMUD n=121, West Midsize n=737 Which of the following activities, if any, are you aware of SMUD doing?





SMUD's efforts to improve impact on environment

63% of SMUD commercial customers are aware of SMUD's efforts to improve its impact on the environment.

70% are aware of SMUD's efforts to increase alternative energy sources and SMUD's energy efficiency/ conservation programs.







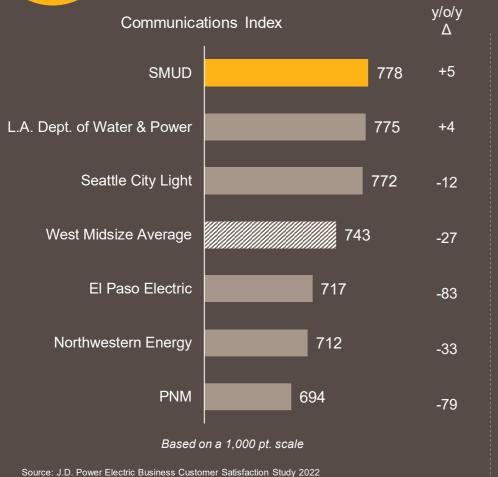
(% Yes) Aware of utility efforts to improve impact on environment 70% Aware of utility efforts to increase alternative energy sources 58% 70% Aware of energy efficiency/conservation programs 65%

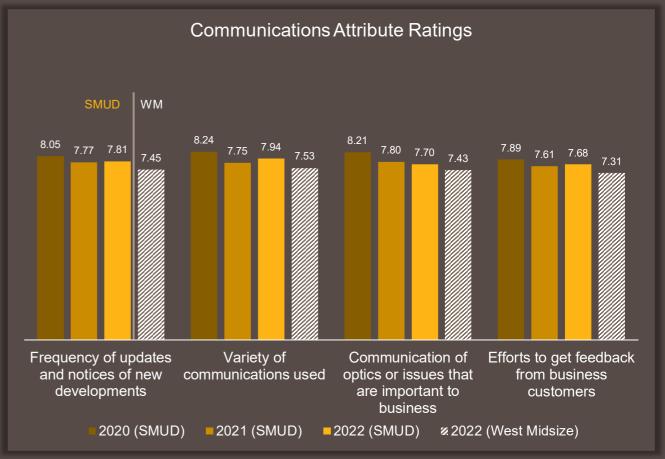
Source: J.D. Power Electric Business Customer Satisfaction Study 2022 SMUD n=121, West Midsize n=737 Which of the following activities, if any, are you aware of SMUD doing?



Communications 13%

SMUD Commercial Communications Performance





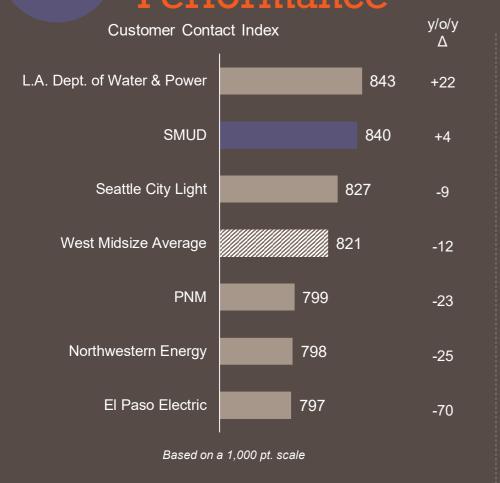
Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding

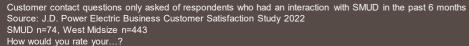


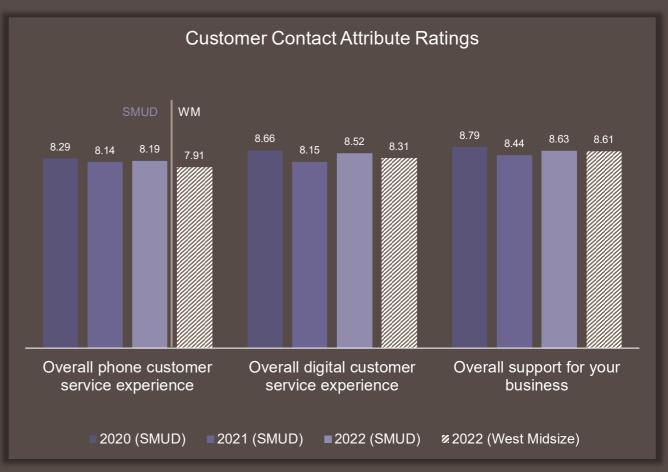
SMUD n=121, West Midsize n=737

How would you rate SMUD on ...?

SMUD Commercial Customer Contact Performance







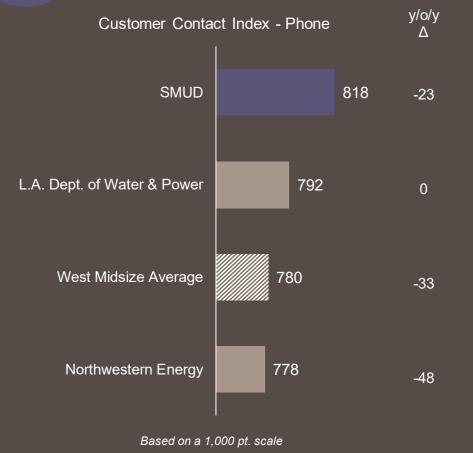
Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding

Phone includes phone representative, IVR-full service, hybrid Digital includes website visit (desktop, mobile), chat Proactive includes contact from a SMUD representative

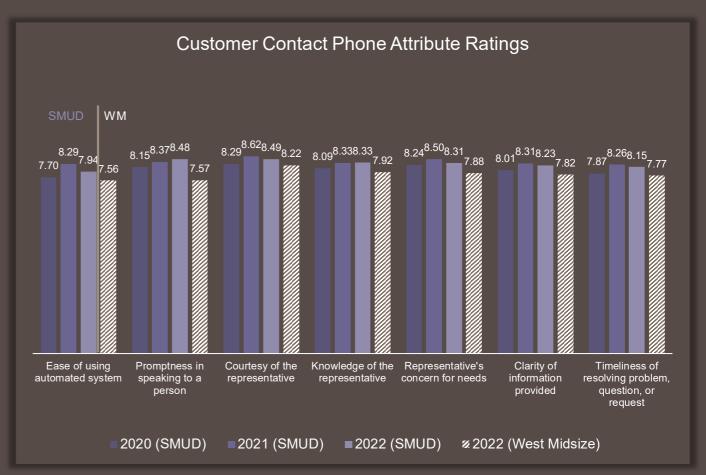


SMUD Commercial Customer Contact

Performance Phone (Phone representative, IVR - full self-service, hybrid)



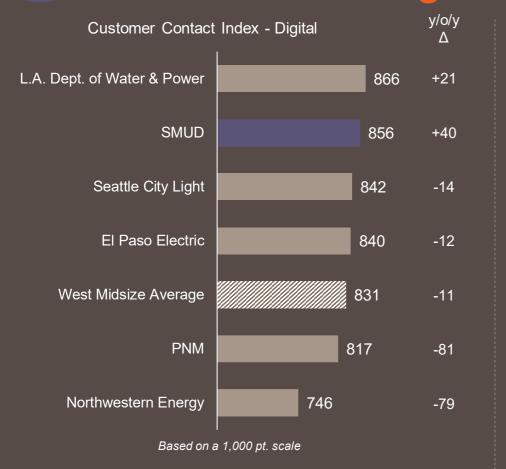
Note: Utilities with <30 responses not displayed (El Paso Electric, PNM and Seattle City Light) Customer contact questions only asked of respondents who had an interaction with SMUD in the past 6 months Source: J.D. Power Electric Business Customer Satisfaction Study 2022 SMUD n=31, West Midsize n=131 How would you rate your SMUD call experience on...?



Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding

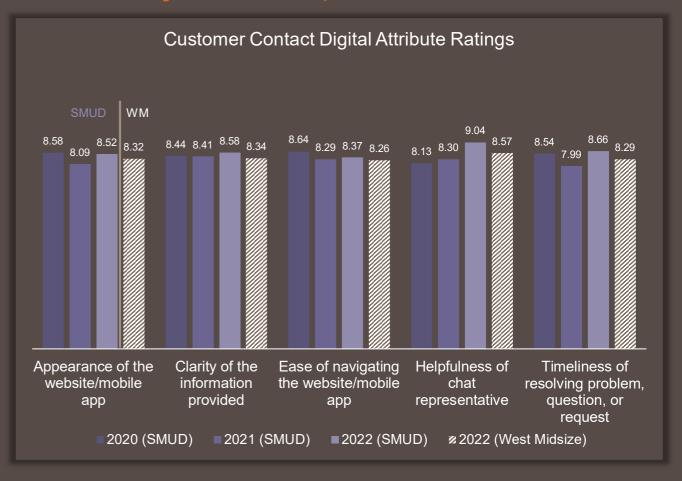


SMUD Commercial Customer Contact Performance Digital (Website - desktop/mobile, Chat)



Customer contact questions only asked of respondents who had an interaction with SMUD in the past 6 months Source: J.D. Power Electric Business Customer Satisfaction Study 2022 SMUD n=47, West Midsize n=292

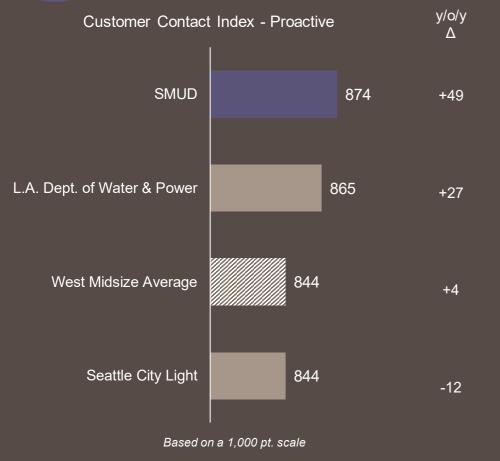
Thinking about your most recent website visit/mobile app use with SMUD, how would you rate the...?



Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding



SMUD Commercial Customer Contact Performance Proactive (Utility representative)



Note: Utilities with <30 responses not displayed (El Paso Electric, PNM and Northwestern Energy)
Customer contact questions only asked of respondents who had an interaction with SMUD in the past 6 months
Source: J.D. Power Electric Business Customer Satisfaction Study 2022
SMUD n=30, West Midsize n=174
How would your rate the support you received from SMUD with respect to...?



Based on an 10pt. scale where 1 = Unacceptable and 10 = Outstanding



Areas of Focus: 2022 Electric Business Customer Satisfaction

Continue

Corporate Citizenship

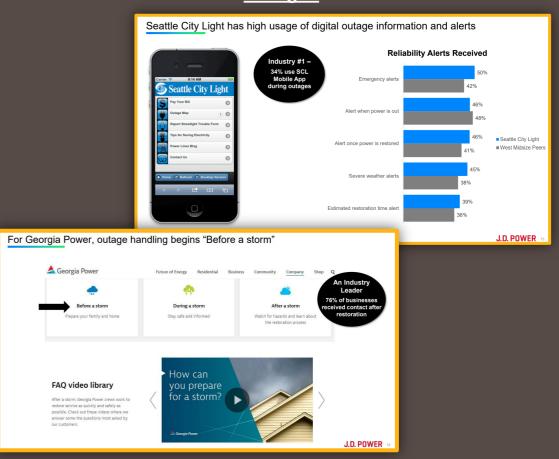


Price



Consider

Outages





J.D. Power Sustainability Index



Sustainability Index

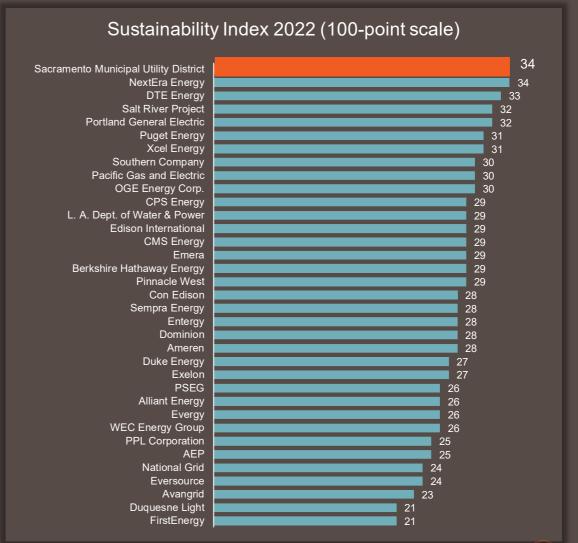
For the 3rd year in a row, SMUD tied for first in the nation on the J.D. Power Sustainability Index with NextEra Energy.

The annual J. D. Power Sustainability Index is a newer metric measuring customers' perceptions of the sustainability of their electric utility.

The J.D. Power Sustainability Index evaluates electric utility customer awareness, support, engagement and advocacy for their local utility's climate sustainability programs and goals.

The index applies to the 35 largest U.S. electric utility companies and cities, each serving 500,000 or more residential customers and is based on responses from 71,959 business and residential electric utility customers and was fielded from June 2021 through May 2022.

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^{*} The index is available for all utilities; the public rank chart is limited to parent companies where at least one utility serves 500,000 or more residential customers.

Thank you

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