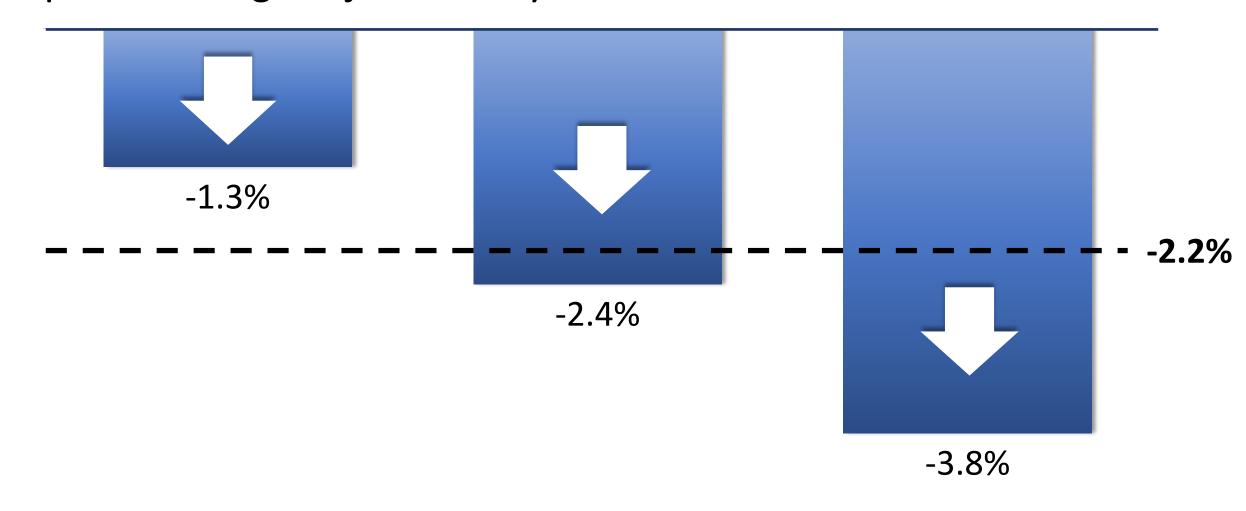


Effective with the May 2019 Billing Cycle



March 11, 2019

Proposed Average Adjustment by Class



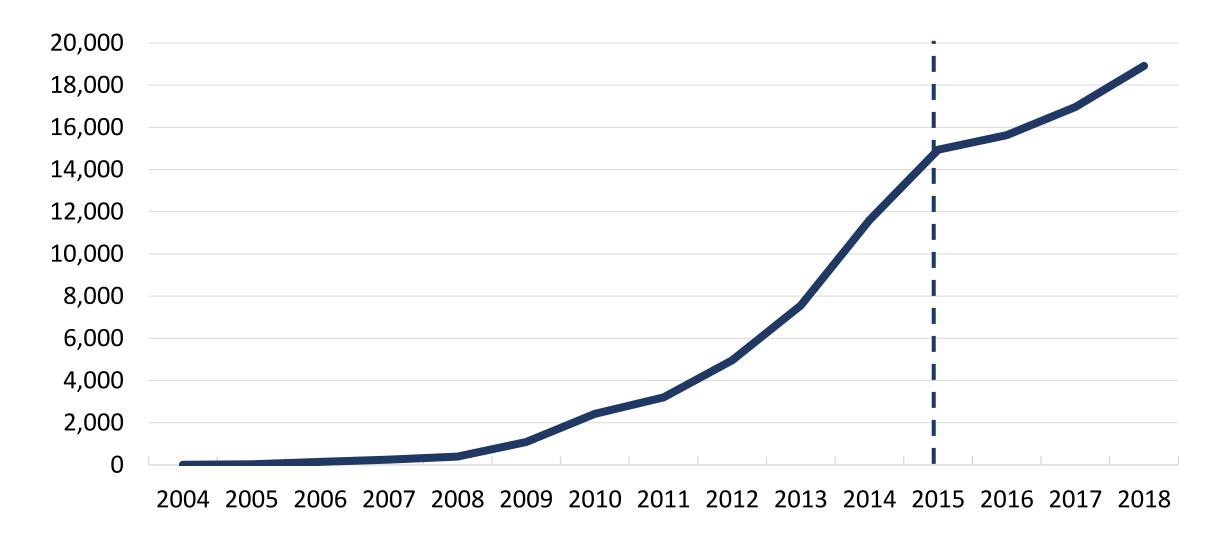
Residential

General Service

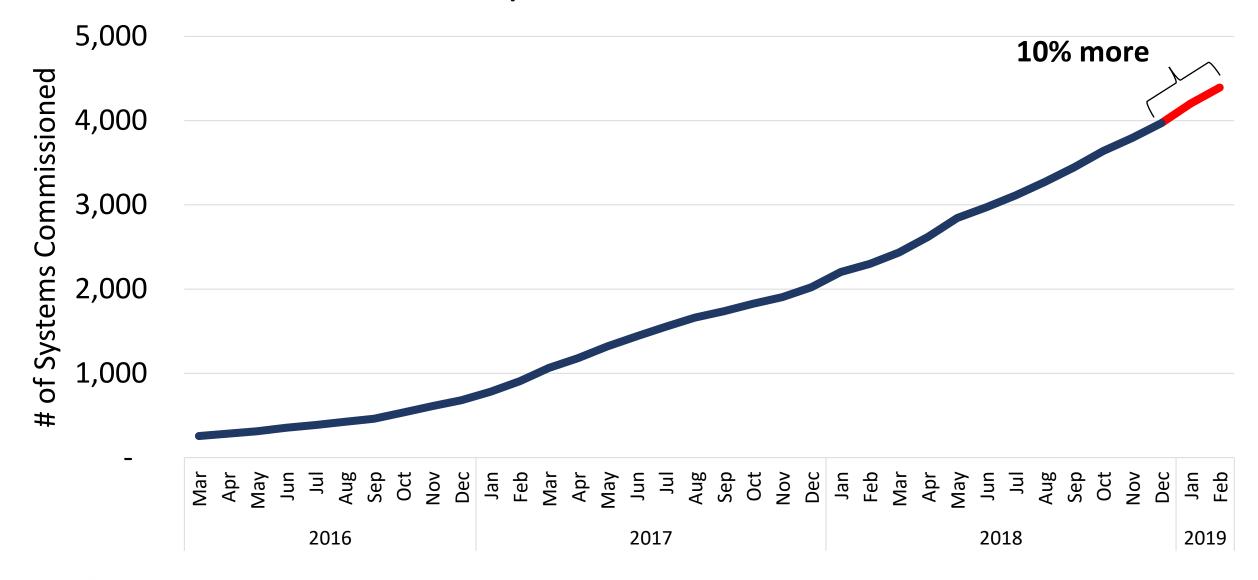
Large General Service

Customer Generation Price Plans

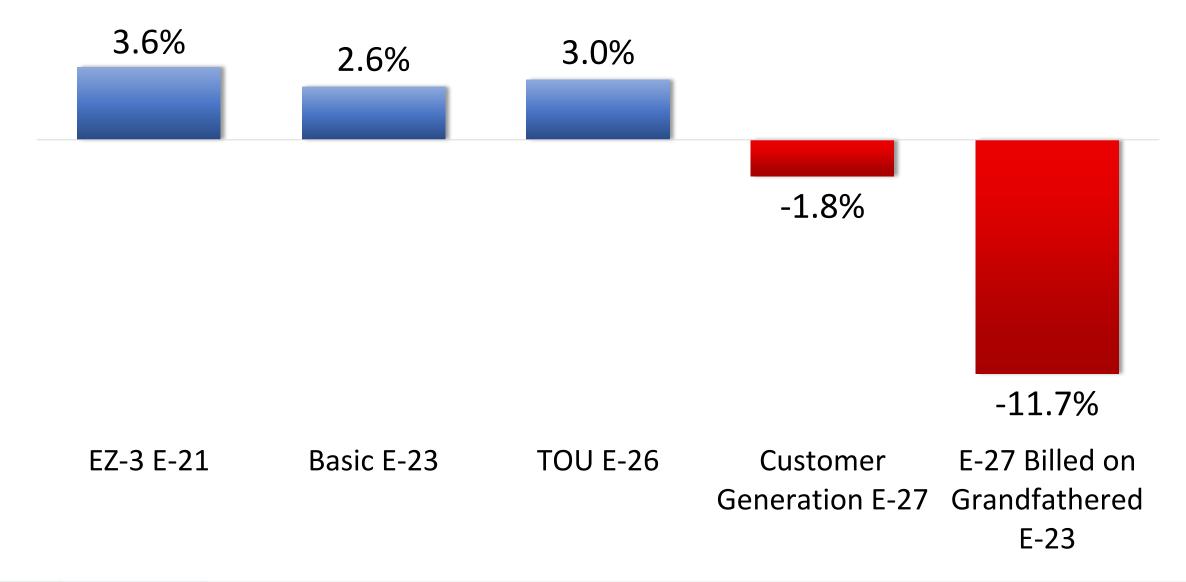
Number of Cumulative Completed Solar Installations



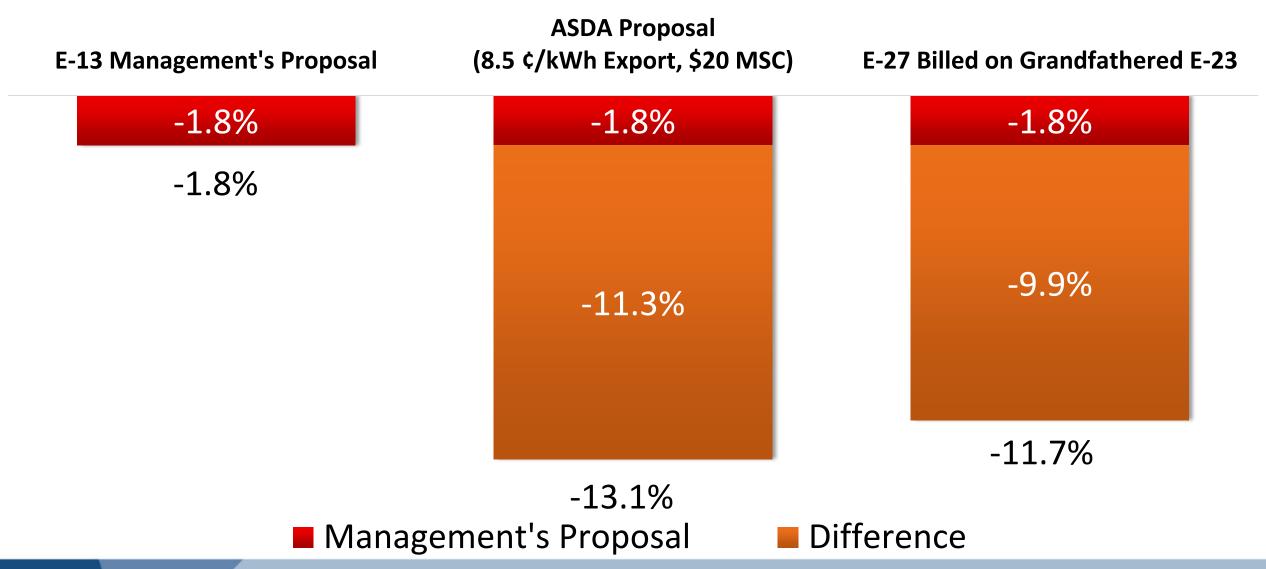
Cumulative Number of E-27 Systems Commissioned



Residential Returns: Management's Proposal



Rate of Return Management's Proposal vs. ASDA vs. Grandfathered

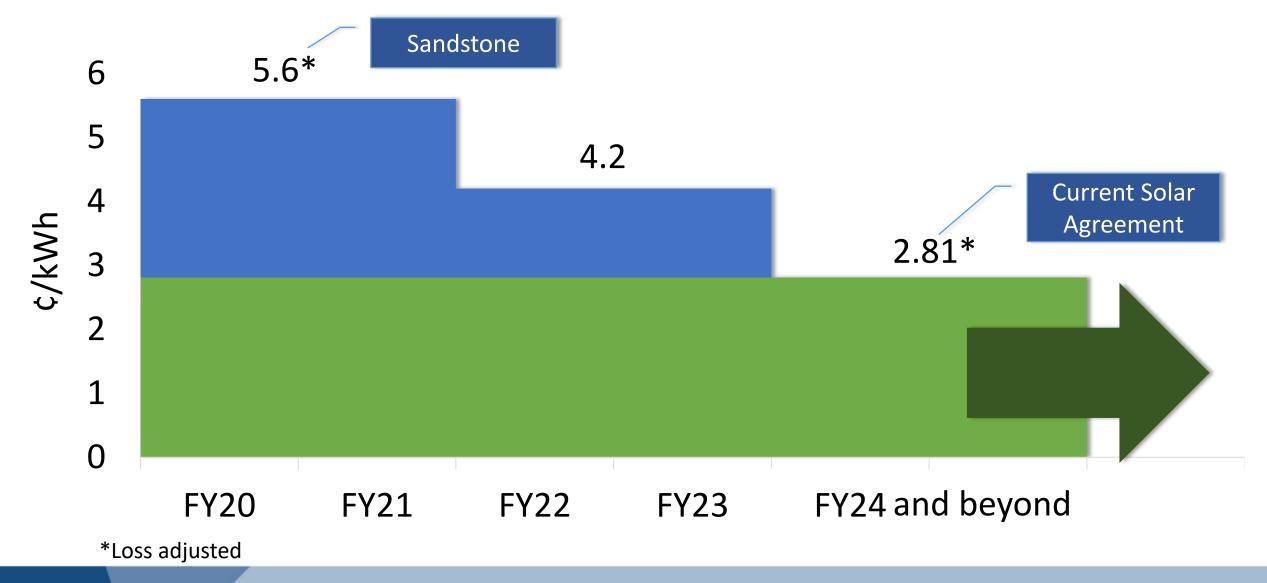


ACC Investigation of Value and Cost of Distributed Generation

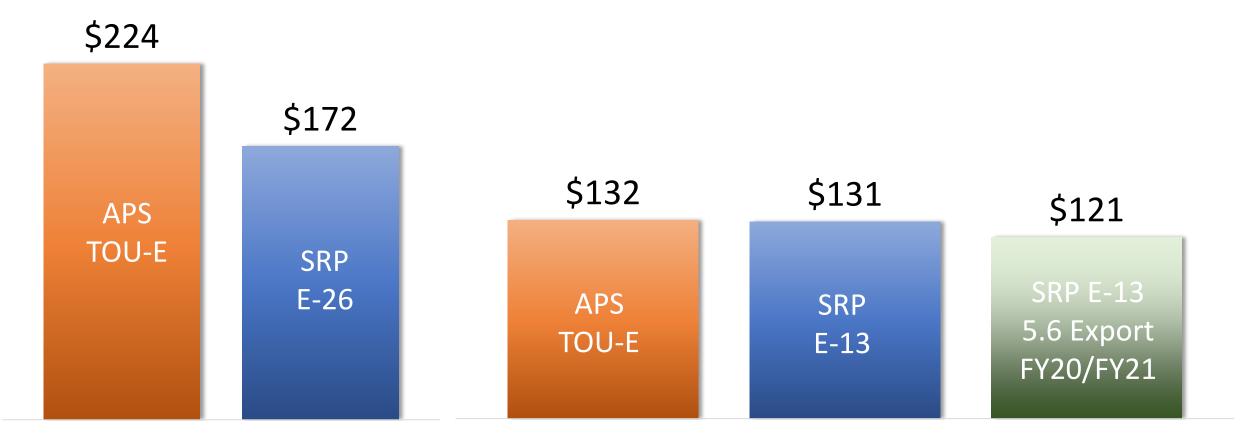
"Use of utility-scale solar obligations represents the most reliable and objective avoided cost proxy for rooftop solar and diminishes concerns for the inclusion of societal and environmental factors and other externalities in valuing solar DG exports."

Source: Arizona Corporation Commission, Docket No. E-00000J- 14-0023, Decision No. 75859, page 170

E-13 Alternative Export Rate Sandstone Transition



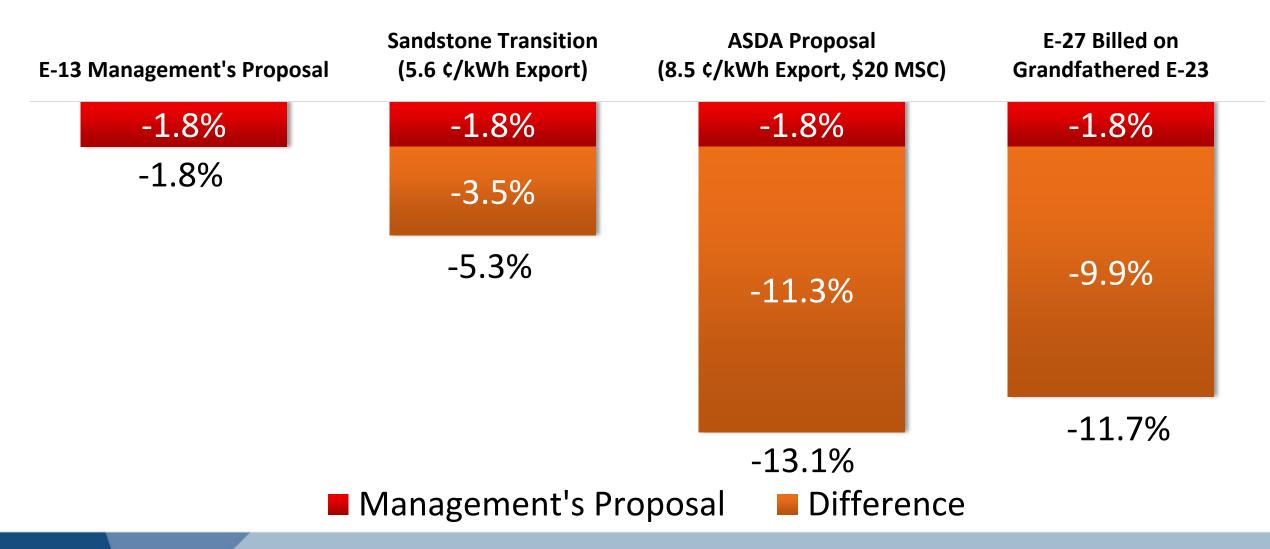
Monthly Bill Comparison, Time-of-Use Rates



Pre-Solar Post-Solar

Note: APS bills include currently approved adjustors.

Rate of Return Sandstone Transition – FY20 & FY21



Revenue Loss Sandstone Transition

	FY20 Impact	FY20 – FY23 Impact
5,000 New Customers	\$0.7M	\$2.1M
Existing Customers	\$0.6M	\$1.8M
Total	\$1.3M	\$3.9M*

^{*}If SRP added 5,000 customers per year, the total cost would increase by \$2.3M to \$6.2M. As of February 2019, there were 4,472 customers on E-27.

Rooftop Solar vs Utility Scale

	Capacity Factor	Today's Installed Cost
Rooftop	20%1	\$2.93/watt ²
Utility Scale	35% ³	\$0.92-\$0.99/watt ³

¹ Average of rooftop solar on SRP's grid

² Based on 2018 installations on SRP's grid

³ Based on results of recent RFP, specific prices subject to NDA



Customer Value Proposition will Continue to Improve

Cost advantage for consumer-centered resources is systematic 2008 - 2028

Declining wholesale rates Costs of solar modules and batteries have declined significantly (3) disguise cost of capex(1) 16 Cost of installed panels -64% 14 Cost of batteries -85% 1370 8.0 12 APS Residential 7.0 1170 Residential rates +32% ∰ 6.0 970 Wholesale rates -58% Ë 5.0 770 Costs (Palo Verde 5 4.0 50 3.0 570 370 2008 2010 2012 2014 2016 2018 2012 2016 2018 Cost of Installed Panels (\$/w) With the expected capex trends and stagnant Cost of Batteries (\$/kwh) demand, even if wholesale prices fall to zero, retail rates will accelerate over the next ten Market researchers forecast the cost of installed solar panels will decline 61% while vears.(2) the cost of batteries declines 49% over the Aging infrastructure and extreme weather are next 10 years.(4) likely to increase the frequency of outages.

- APS Residential & APS Wholesale Data: eia.gov
- (2) Projected retail rates based on historic actual CAGR adjusted for current market conditions and wholesale rates based on 2% inflation
- (3) Historic solar costs represent costs of residential systems according to GTM Research Solar Market Insight reports (2012-2018) and the California Solar Statistics database (2010-2011); Historic battery cost estimates according to GTM Research "US Front of the Meter Energy Storage System Prices" (February 2018).
- (4) Projected Cost of Panels Data: Bloomberg New Energy Finance 2H 2017 U.S. Renewable Energy Market Outlook & Projected Cost of Lithium Ion Battery Data: Lux Research

The issues discussed around Customer Generation price plans are about solar installer and customer economics, not necessarily about achieving carbon goals.

It is inconsistent with pricing principles to ask 1,000,000 other customers to cover these costs when lower cost alternatives exist.

The program described starts at a legacy Sandstone rate and moves to current utility scale prices over four years, but at a higher cost than other solar alternatives.

- The exposure to higher costs by SRP's other 1,000,000 customers is limited.
- Maintains a link to recent utility scale solar cost.

Director Woods' Proposal

- "Move up pricing from 2.81 cents/kWh to 8.5 cents/kWh with SRP funding the difference in price from a new residential community solar program...."
- Would need 7 customers paying \$3 a month towards this program to support 1 rooftop solar customer
- In order to support 5,000 rooftop solar customers, this program would need approximately 35,000 participants each paying \$3 a month
- Other comparable programs:
 - Solar for Nonprofits: 4,500 participating customers at its peak
 - EarthWise Energy: 6,500 participating customers

Based on contribution levels in comparable SRP solar programs, it is unlikely that non-solar residential customers will voluntarily fund an 8.5 cent/kWh export rate for solar customers. Therefore, management does not recommend that the Board adopt this specific offering.

Community solar options are a good idea. Management's proposal includes an umbrella rider for future programs. One such program could allow customers to participate in lower cost utility scale solar similar to the large customer program once new solar units are added.

Battery Pilot Program

Residential Battery Incentive Program

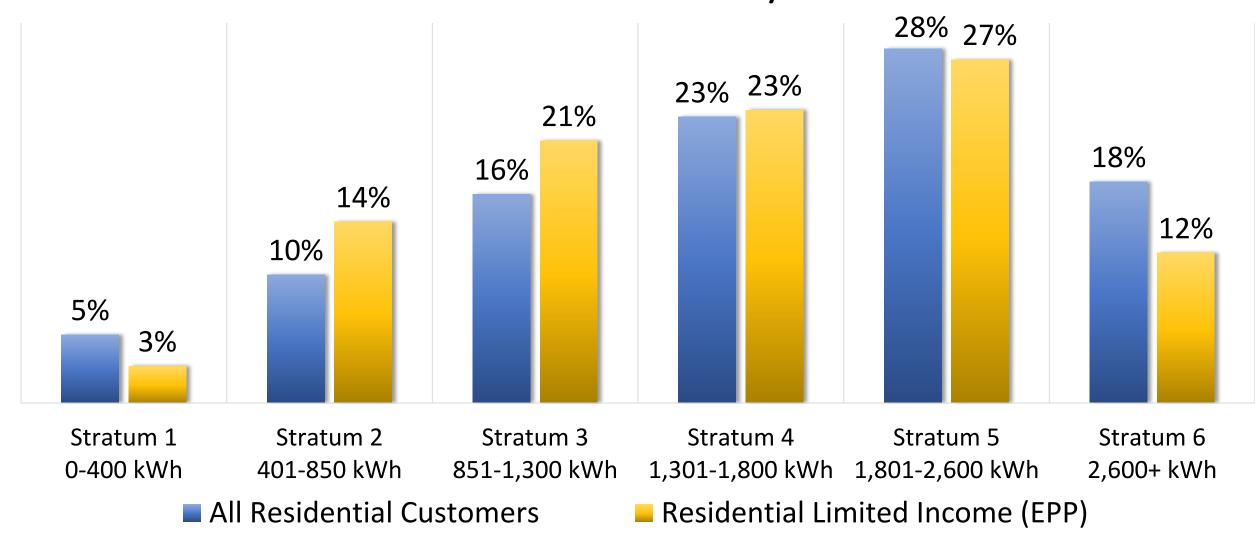
- Provide an additional incentive that increases the overall total from \$150/kWh to \$300/kWh; up to a maximum of \$3,600/system
- Doubling the incentive begins on May 1, 2019 and runs through the end of the existing program, which is April 30, 2021
- If the remaining 4,000+ customers participate, total funding would be about \$15.5 million
 - The current incentive budget is \$8.1 million

Management can support additional incentives for residential battery installations. This emerging consumer technology provides flexibility for customers to manage load which can benefit both customers and SRP.

Customers can pursue value from their battery installations through the current and proposed price plans.

Monthly Service Charge Limited Income

Residential and Limited Income Customers by Stratum



Note: Strata are defined by the customer's average monthly summer gross kWh for June through September 2018

Bill Impact of Proposed Bills vs. \$17 MSC

	Customers with Bill Increases	Average Monthly Increase for those w/ Increases
All Residential Customers	~ 340,000	\$1.47 (0.6%)
Limited Income Residential Customers	~ 15,000	\$1.16 (0.6%)

Note: Extrapolated from customer data with 12 months of history

Basic E-23 Current Price Plan Approximate Return by Stratum

Stratum	Average Monthly Summer kWh	Current Return	Return w/\$17 MSC
1	0-400	2.5%	0.2%
2	401-850	2.9%	2.5%
3	851-1,300	2.7%	2.9%
4	1,301-1,800	2.1%	2.6%
5	1,801-2,600	2.4%	3.0%
6	2,600+	5.0%	5.9%

Impact / Energy Efficiency

- Impact of reducing MSC to \$17 and increasing kWh charge
 - 10% reduction in energy usage results in only \$0.30/month of additional savings
 - With \$20 MSC, 10% energy reduction = \$10.72/month
 - With \$17 MSC, 10% energy reduction = \$11.02/month
- Increased EE funding FY16 vs FY20 under current pricing structure
 - Annual EE funding has increased 28% since FY16 (\$39M to \$50M)
 - Funding over last 5 years: \$220M

Management's Proposed Response to Wildfire's Requests Formerly Arizona Community Action Association

- Increase to a minimum annual SRP Bill Assistance Program contribution of \$500,000/year for 5 years
- Increase the SRP Bill Assistance Program qualification requirement from 150% to 200% of the Federal Poverty Guideline
- Increase the monthly bill credit for the SRP Economy Discount Rider to \$23/month for every month rather than a winter/summer split of \$20 and \$21
 - Estimated cost increase of approximately \$2 million per year

Because of impacts to customers (including low-income customers) that otherwise receive a decrease, Management does not recommend restructuring rates to reflect a \$17 monthly service charge (MSC).

Prices will be less aligned with costs and the incremental bill savings from reducing consumption is small. SRP has made significant increases to energy efficiency program funding over the last four years to help customers reduce their electricity use at home.

Alternatively, Management recommends increasing low-income support to provide better value than the \$17 MSC for these customers.

Buy-Through

Buy -Through

APS AG-X

- Developed as part of an overall rate case settlement
- No public information about settlement economics/cost shift

Market Price Pilot Rider

- Provides option for customers to substitute market price for the Fuel and Purchased Power Adjustment Mechanism
- Supplemental to dedicated substation price plans (E-65, E-66 and E-67)

ACC Policy Statement for Buy-Through Programs dated December 10, 2018

- Program may offer different purchasing structures based on size and load factor of eligible customers
- Program shall not shift costs to non-participating customers
- Program shall address any implications for a utility's renewable and energy efficiency standard compliance
- Program shall consider consumer protections for both participants and non-participants

Management does not support adding buy-through as an option as part of this price process.

Large customers can receive a market price under the proposed Market Price Pilot Rider. Customers under this program avoid SRP's fuel and purchased power costs, but do not shift costs to other customers.

Development of any buy-through program must have diverse stakeholder involvement and extensive customer outreach to ensure non-participating customers are not adversely impacted by such a program.

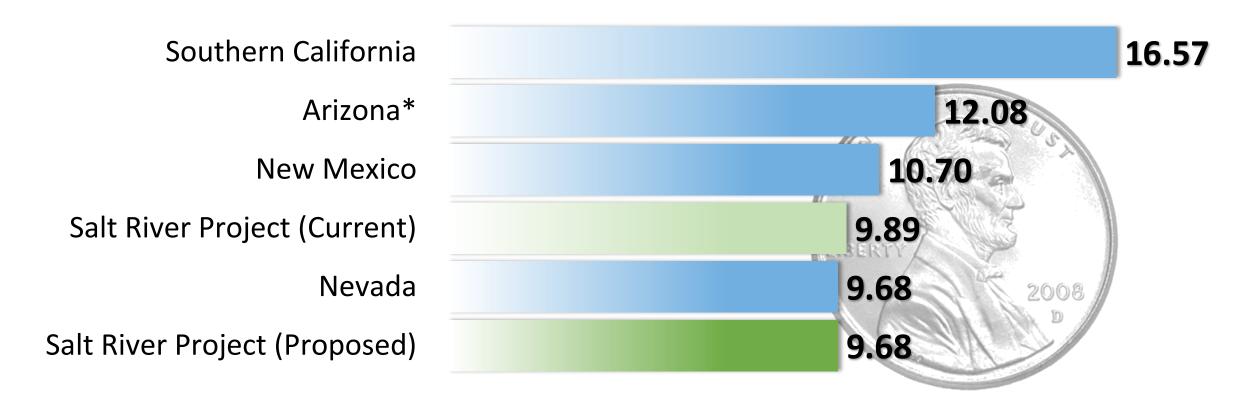
Impacts of Potential Modifications to Proposal

	FY20 Impact	FY20 – FY23 Impact
Low Income Credit	\$2.0M	\$7.9M
Max Storage Incentive*	\$3.7M	\$7.4M
Sandstone Transition (5,000 customers)	\$0.7M	\$2.1M
Sandstone Transition (current customers)	\$0.6M	\$1.8M
Total	\$7.0M	\$19.2M**

^{*}Assumes additional ~2,100 customers per year

^{**} If SRP added 5,000 additional solar customers per year, the cost would increase by \$2.3M to \$21.5M.

Price Comparison Overall Price (Cents per kWh)



Source: Dept. of Energy EIA-826 Reports for 12 months ending September 30, 2018

Source for SRP Prices: SRP Test Year Data

*Arizona does not include SRP

JD Power 2018 Electric Residential Satisfaction Scorecard



Rank Quartile

1st

2nd

3rd

4th