



Pumping Energy Rates

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Pumping Energy Rate

- Minimize Pumping Energy Costs
- Keep Predictable Rates
 - Shaping
 - Reaction to the Market



Current and forecasted demand AS OF 15:15

[About demand](#)

Current capacity* **39,474 MW**



● Current demand
22,629 MW

● Available next 1 – 4 hours
12,092 MW – 16,845 MW

↳ Includes reserves 2,787 MW



39,474 MW
Current capacity*



22,629 MW
Current demand



2,787 MW
Current reserves



26,993 MW
Forecasted peak
(18:45)



26,843 MW
Tomorrow's
forecasted peak

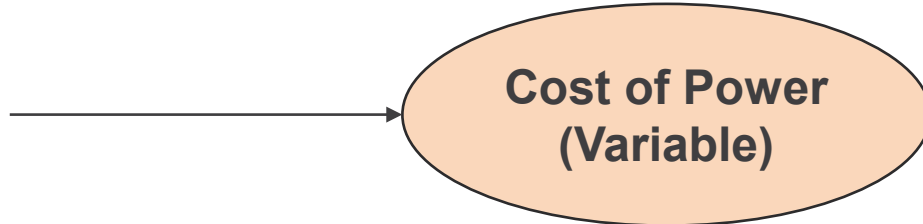
12/5/2022



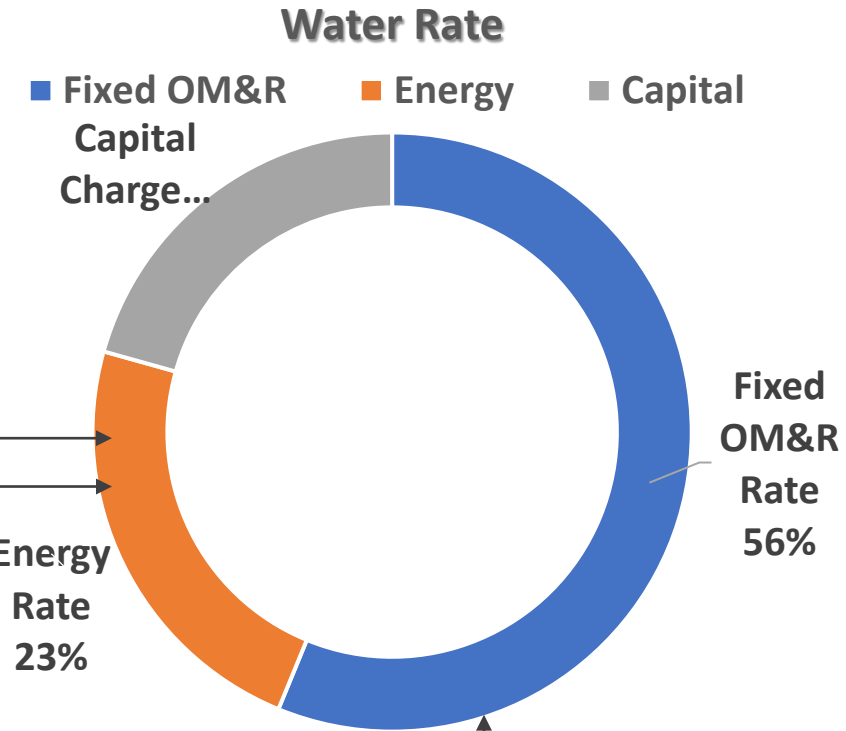
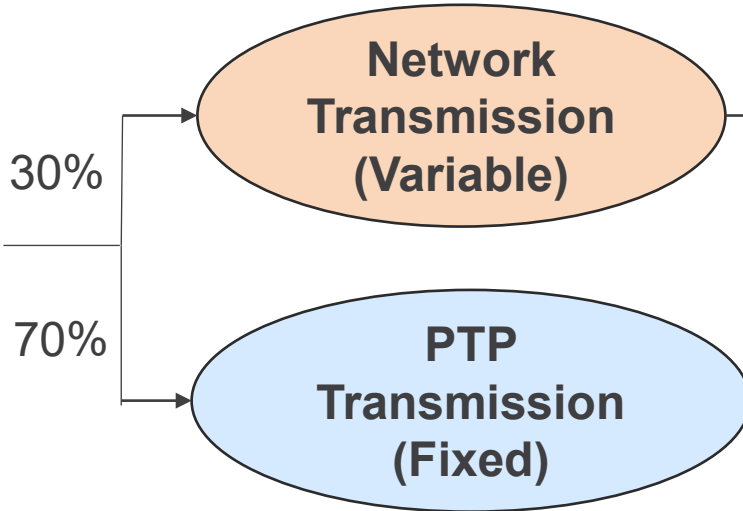
Energy Rate Components



Cost of Power



Cost of Transmission



Energy Rate Calculation



**Pumping Energy Costs
+
Network Transmission**

= Energy Rate



Water Delivery Volume

Deliveries and Water Rates



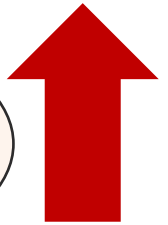
Pumping Energy Costs



Water Delivery Volume

=

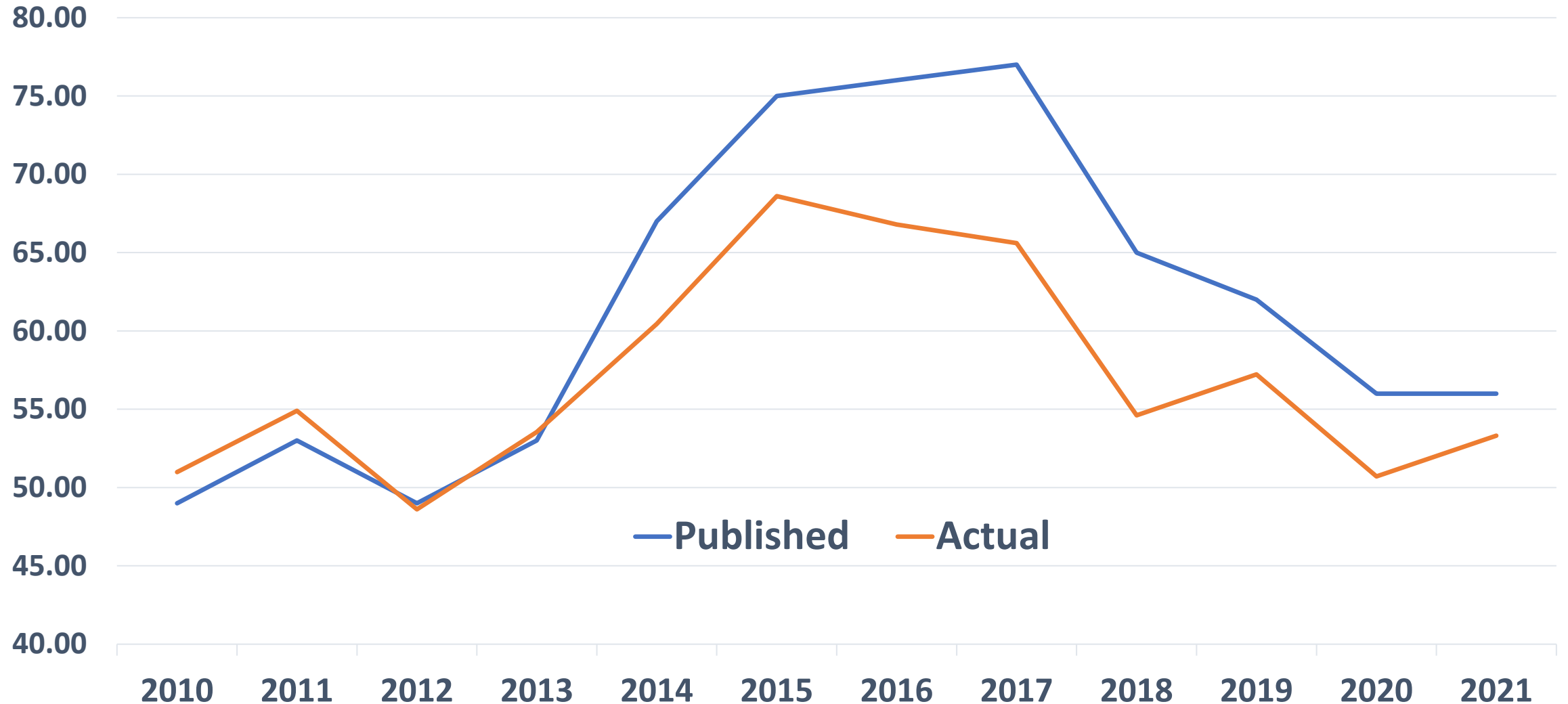
PTP Transmission
(Fixed Costs)



Energy Rate
(Variable Costs)



Energy Rate Published Rate VS Actual



Send questions to CAPUniversity@cap-az.com

Key Takeaways

- **Focus:** Low and Stable Rates, Reliable Deliveries
- **Energy Rate:** Cost of Power and the Cost of Transmission
- **Energy Rate:** Pumping Energy Costs, Divided by Water Delivery Volume (\$/AF)
- Energy Rate is Annually Reconciled

