

2024-2025 IRP Technical Conference

Docket No. 24-057-04

2024-2025 IRP Schedule



February 15, 2024

- Review IRP Standards and Guidelines
- Review 2023 PSC Order regarding IRP
- Pricing Update/Under-collection
- Supply Sourcing – Volumes and Locations

April 23, 2024

- Heating Season Review (LNG)
- Gas Supply Hedging
- IRP Project Detail Discussion

July 8, 2024

- Final Presentation

March 19, 2024

- System Integrity
- Rural Expansion Update
- Transportation and Storage Planning
- Supply Modeling Update

May 1, 2024

- Long-Term Planning
- Wexpro Matters (Confidential)
- RFP Review (Confidential)

“At Enbridge, we’re taking a practical approach to the energy transition by providing the energy needed today while simultaneously advancing solutions for tomorrow. We’re bridging to a cleaner energy future by innovating across our value chain. Every part of our business is engaged in our emissions reduction goals and targets.”

- Updates provided on Enbridge Gas Utah sustainability initiatives
 - Methane emissions reduction initiatives
 - Wexpro sustainability initiatives
 - Responsibly Sourced Natural Gas (RSG)
 - Renewable Natural Gas (RNG)
 - Thermwise[®] energy efficiency programs
 - GreenTherm[®] voluntary renewable natural gas
 - CarbonRight[™] Program
 - Hydrogen initiatives
 - Sustainability legislation
 - Community programs

Environmental Review



- Enbridge Gas Utah is fully committed to meeting the energy needs of our customers in an environmentally responsible manner
 - Commitment to compliance with environmental laws and regulations
- Greenhouse (CO₂e) Gas Intensity

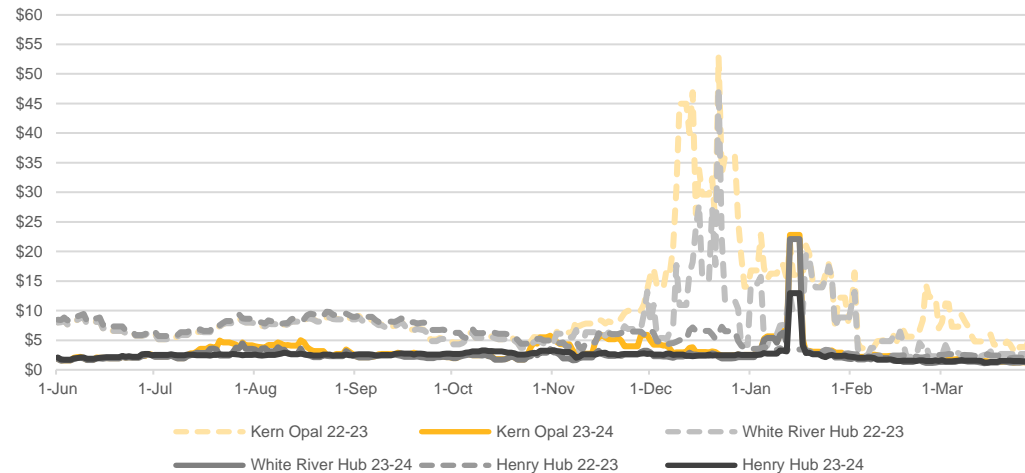
Reporting Year	CO ₂ e Intensity (MT CO ₂ e/MMBtu)
2019	0.0008
2020	0.0009
2021	0.0011
2022	0.0007

- Conservation efforts will continue to have a positive environmental impact
 - Estimated savings of more than 1,050,000 Dth of natural gas in 2023
 - Equivalent of about 55,000 metric tons of CO₂e or nearly 13,000 passenger vehicles each driven for one year (calculated using EPA's GHG equivalencies calculator)
 - Lifetime savings attributable to the ThermWise® program totals more than 860,000 tons of CO₂e
 - Equivalent of about 204,000 passenger vehicles each driven for one year

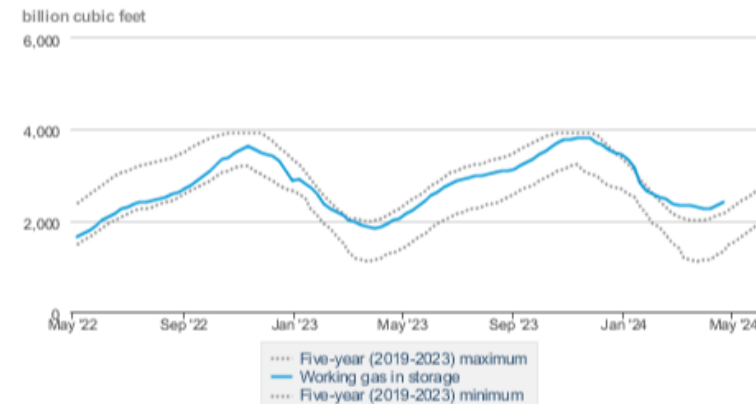
Industry Overview



- Regulatory updates
- Discussion of industry trends
 - Demand
 - Pricing
 - Production
 - Storage
 - LNG Exports
 - Sustainability
- Review of UT/WY IRP process
- Heating season review

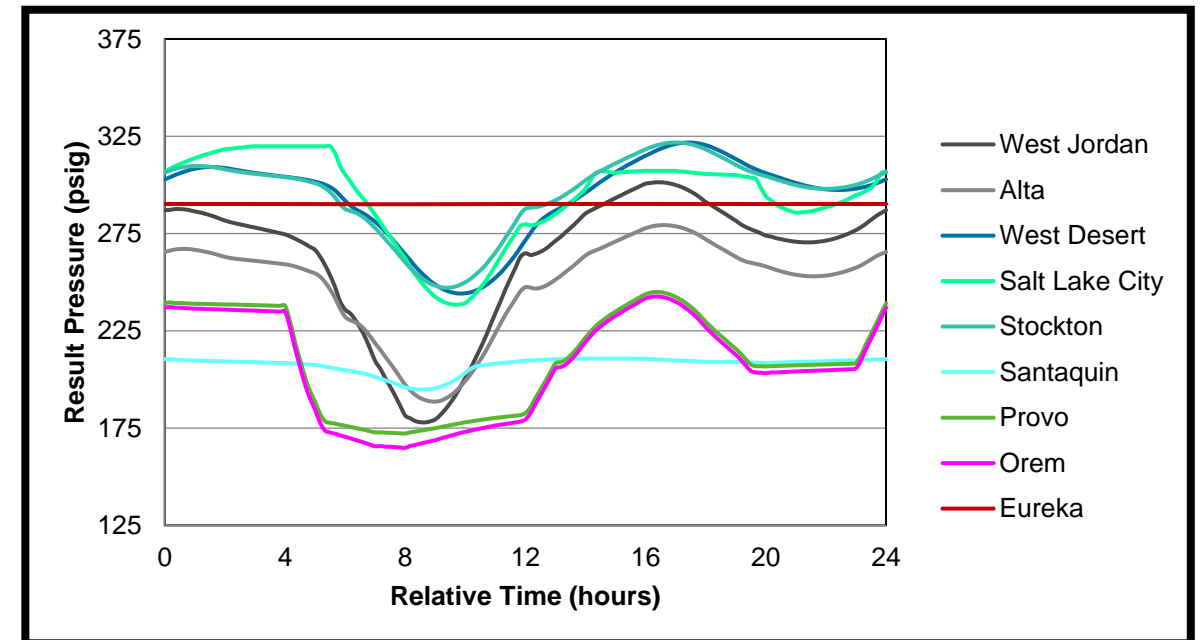


Working natural gas in underground storage



System Capabilities and Constraints

- Distribution system meets current design-day needs
 - Feeder line systems have adequate capacity to meet average-daily and peak-hourly demands
 - Supply contracts are adequate
- Projects have been identified to address constraints and concerns
 - FL135, Central 20-inch Loop
 - FL85 Extension to Eagle Mountain
 - Rockport Gate Station
 - Saratoga (TG0005) Gate Station
 - Monticello Gate Station (MZ0003)
- Long-term planning
 - Peak day growth vs customer growth
 - Feeder line upgrades to meet growth
 - Potential Ruby station



Distribution Action Plan



- High pressure projects

Year	Project	Estimated Cost	Revenue Requirement
2024	WA1602 FL 13 East HP Station, District Regulator Station, and ILI Facilities, Salt Lake City, UT	\$2,800,000	\$330,120
2024	WA1596 – Replace WA0866 with High- Capacity District Regulator Station for South Salt Lake City, UT	\$1,500,000	\$176,850
2024	WA1617 – New Reg Station Grantsville on Sheep Lane	\$750,000	\$86,250
2024	FL147 – 1 Mile of 8-inch for New Reg Station on Sheep Lane	\$2,000,000	\$230,000
2024	MZ0003 – Remodel of Monticello Gate Station	\$1,500,000	\$171,750
2024	EG0007 - Eagle Mountain District Regulator Station, near 4000 N and Hwy 73	\$750,000	\$88,425
2024	FL85 Extension for Eagle Mountain District Regulator Station	\$3,500,000	\$400,750
2024	MO0001 Gate Station Remodel in Moab	\$1,250,000	\$143,125
2025	FL71 AC Mitigation – Approx 4.5 miles	\$10,000,000	\$1,145,000
2025	WA1604 – Replace WA0441	\$1,000,000	\$117,900
2025	FL Extension for WA1604 Across Jordan River	\$3,000,000	\$353,700
2025	Black Desert Station in Ivins	\$1,000,000	\$114,500
2025	AF0014	\$850,000	\$97,325
2025	SLC NW Quadrant Station	\$750,000	\$85,875
2025	FL Extension for SLC NW Quad – Approx 1 mile	\$3,000,000	\$343,500
2025	Central 20-inch Loop (Phase 2) – Approximately 10 miles	\$45,000,000	\$5,152,500
2026	South Bluffdale District Regulator Station	\$750,000	\$88,425
2026	FL Extension for Bluffdale Station	\$6,500,000	\$766,350
2026	SY0002 Syracuse District Regulator Station	\$750,000	\$85,875
2026	FL47 Phase 2 Extension for SY0002 Syracuse District Regulator Station	\$4,000,000	\$458,000
2026	South St. George – River Road District Regulator Station	\$750,000	\$88,425
2026	FL71-5 Extension for South St. George DR Station – River Road	\$4,000,000	\$471,600
2026 or 2027	Rockport Gate Station	TBD	TDB
2026	SL0114 Remodel	TBD	TBD
2026	FL21-10 – 6,800 LF Replacement	\$3,000,000 to \$5,000,000	\$353,700+
2026 or 2027	TG0005 Saratoga KRGT Gate Station	\$5,000,000+	\$589,500+
2026	Salem Utah Station	\$850,000	\$97,325
2026	FL Extension for Salem Utah Station – 0.75 Miles 8-inch	\$2,000,000	\$229,000
2026	New Payson UT Station (West of I-15)	\$1,000,000	\$114,500
2027 or 2028	EG0001 – Gate Station Capacity Increase	TBD	TBD
2027	South Hurricane District Regulator Station	\$750,000	\$88,425
2027	FL Extension for South Hurricane Station	\$6,500,000	\$766,350
2028	Central 20-inch Feeder Line Loop (Phase 3) – Approximately 5 Miles	TBD	TBD
2028	Washington Fields Station	\$1,000,000	\$114,500
2028	FL Ext for Washington Fields – 2,000 LF	\$1,000,000	\$114,500

Distribution Action Plan



- Intermediate-high pressure projects
 - Belt main replacement program
 - Aging infrastructure replacement (Not included in the Infrastructure Rate Adjustment Tracker)
 - Genola IHP expansion under the Rural Expansion program
- Master meters
- Mountain West Pipeline transition
- Rural expansion
 - Eureka
 - Goshen/Elberta
 - Green River
 - Next Steps

Integrity Management



	2024	2025	2026
Transmission Integrity Management Program	9,774	11,197	9,629
Distribution Integrity Management Program	1,325	1,235	1,085
Total Integrity Management Cost (\$ Thousands)	11,099	12,432	10,714

YEAR	TRANSMISSION MILES ASSESSED	HCA MILES ASSESSED	ANOMALIES REPAIRED
2012	34.430	26.470	28
2013	93.391	50.367	27
2014	80.049	54.555	20
2015	15.903	11.040	2
2016	62.575	37.226	4
2017	49.555	12.935	8
2018	76.327	30.212	9
2019	111.383	25.571	3
2020	188.832	54.624	8
2021	118.389	11.066	11
2022	55.35	4.512	4
2023	81.11	8.803	17

Purchased Gas



- Balanced portfolio of gas purchases of approximately 66.7 MMDth
- Hedging review
- Historical heating season pricing:

Month	2022-2023	2023-2024	Difference
Nov	\$5.73	\$5.09	(\$0.64)
Dec	\$11.39	\$5.90	(\$5.49)
Jan	\$49.57	\$3.56	(\$46.01)
Feb	\$12.44	\$4.88	(\$7.56)
Mar	\$5.07	\$1.78	(\$3.29)
Average	\$16.84	\$4.24	(\$12.60)

- Purchase location and volumes

Cost-of-Service Gas



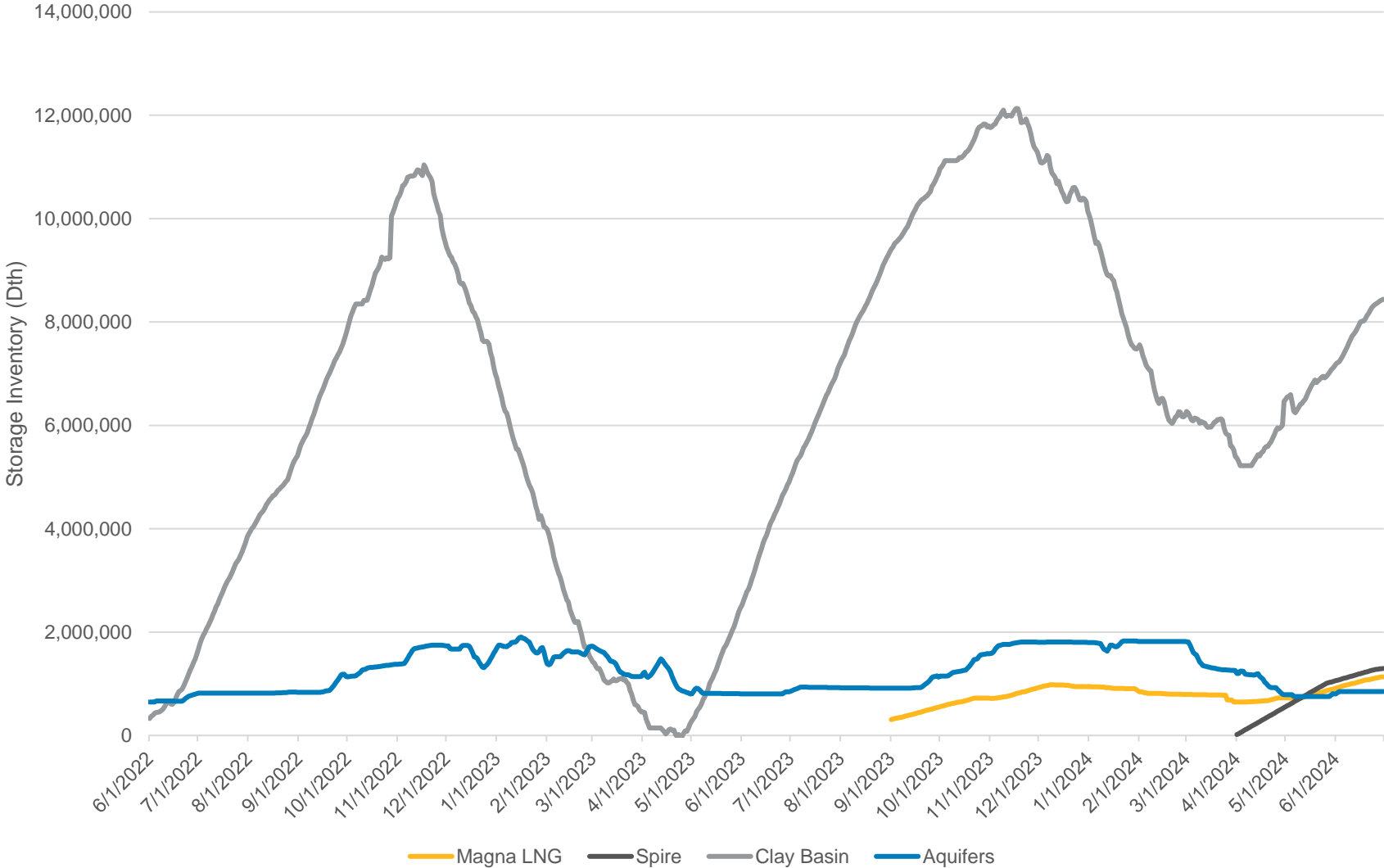
- Level of production
 - 58.9 MMDth (47.3% of forecasted demand)
 - Cost-of-service production starting to increase with increasing drilling
- Drilling plans
 - For calendar year 2024, Wexpro plans on completing to production 44.1 net wells
 - Focus will be on the Trail, Canyon Creek, Island, and Alkali Gulch fields
 - 2024 through 2028, the total planned net wells 44.1, 38.4, 35.9, 33.4 and 23

Gathering, Transportation, and Storage



- Transportation capacity
 - Contracted capacity is adequate to meet design-day demands
 - New NWP contract planned to begin in December 2025 or 2026
- No-Notice Transportation
 - Provides for reservations of transportation capacity for daily adjustments
- Firm Peaking Services
 - Firm Peaking Services offered by both KRGT and DEQP have been the most cost-effective and reliable solution to meet peak-hour demand
 - Contract is in place with Kern River through February 2029
 - Contract with MWP is not yet completed
- Storage contracts
 - New storage contract with Spire Storage West began April 1, 2024

Gathering, Transportation, and Storage



Supply Reliability



LNG Facility Update

- LNG production
 - 100,000 gal/day (341 mcfh)
- On-site LNG storage
 - 15,000,000 gallon (1.2 bcf)
- Re-vaporization
 - 150 mmcfd (6,250 mcfh) @ 720 psig
 - ~10% of Wasatch front design day load
- 7.2 MW power service
- 24-7 manned facility
- Liquefaction planned through summer in order to have the facility full for 2024/2025 heating season



Energy Efficiency Programs



- Provided results of 2023 programs
- Provided expectations for 2024 programs

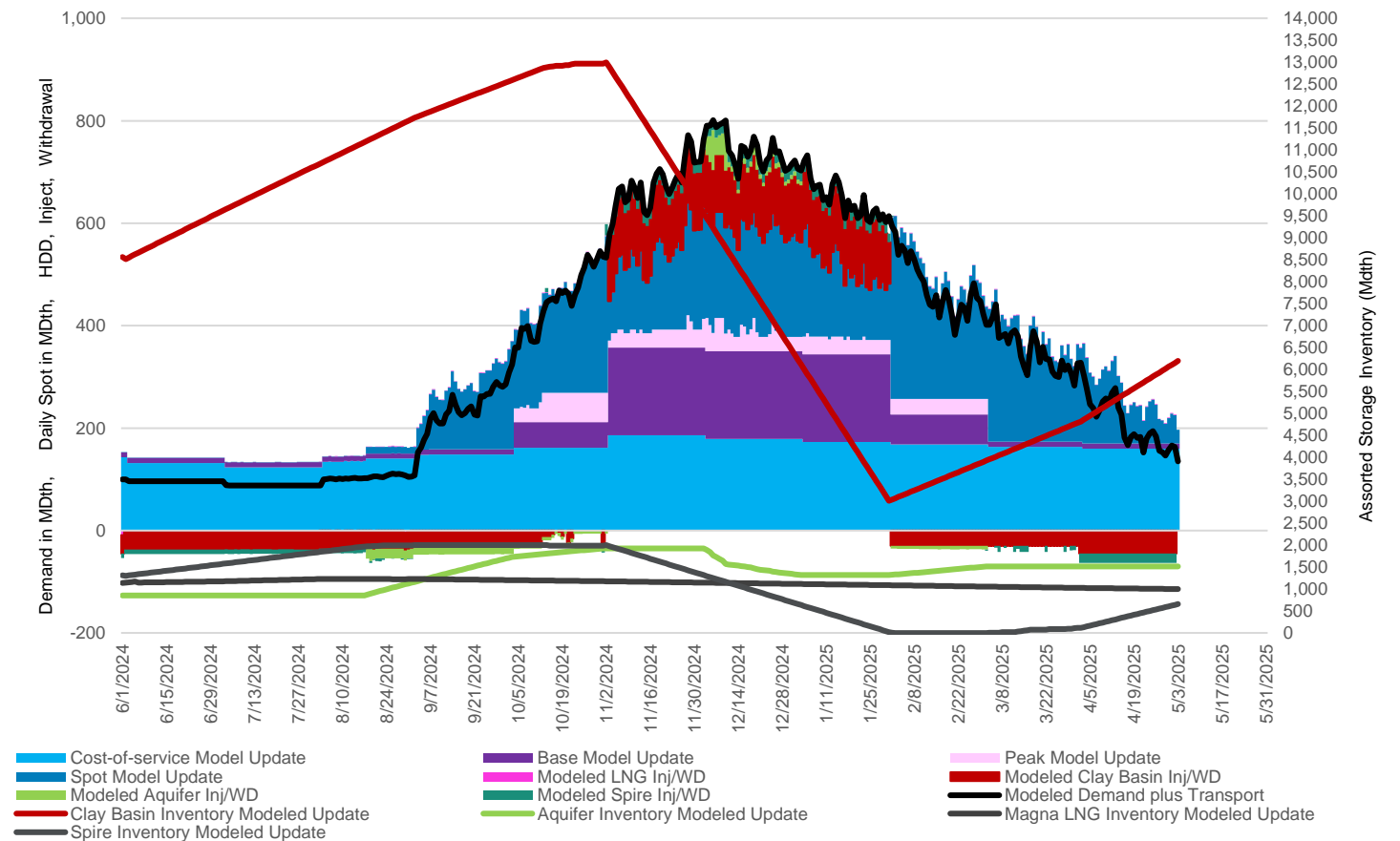
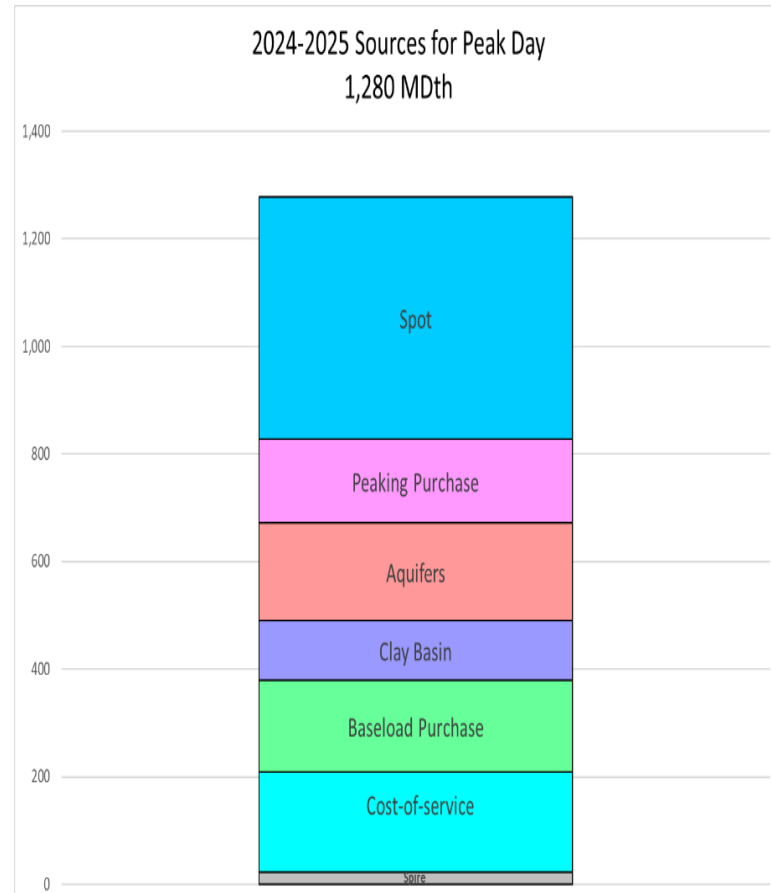
2024 IRP Forward Curve	Total Resource Cost		Participant Test		Utility Cost Test		Ratepayer Impact Measure Test	
	NPV	B/C	NPV	B/C	NPV	B/C	NPV	B/C
ThermWise® Appliance Rebate	\$3.37	1.70	\$23.50	6.00	\$3.21	1.65	-\$1.51	0.84
ThermWise® Builder Rebates	\$8.75	1.82	\$48.89	4.98	\$11.20	2.37	\$0.66	1.04
ThermWise® Business Rebates	\$0.50	1.12	\$11.35	4.43	\$1.90	1.71	-\$0.45	0.91
ThermWise® Weatherization Rebates	\$1.56	1.20	\$20.04	3.63	\$2.67	1.40	-\$2.06	0.82
ThermWise® Home Energy Plan	\$0.49	1.91	\$3.70	76.93	\$0.48	1.88	-\$0.21	0.83
Low Income Efficiency Program	\$0.67	1.86	\$3.49	12.10	\$0.69	1.90	-\$0.12	0.93
Energy Comparison Report	\$0.82	2.57	\$3.43	8.29	\$0.82	2.57	-\$0.01	0.99
Market Transformation Initiative	-\$1.32	0.00	\$0.00	N/A	-\$1.32	0.00	-\$1.32	0.00
Totals	\$14.84	1.49	\$114.39	4.98	\$19.64	1.77	-\$5.03	0.90

* Shown in \$millions

Final Model Results



- Modeling completed with PLEXOS software for 2024/2025 IRP
- Plan includes adequate supplies to meet design-day demand



Q&A



Tomorrow is on.SM

