

2020-2021 Integrated Resource Plan Summary

Docket No. 20-057-01

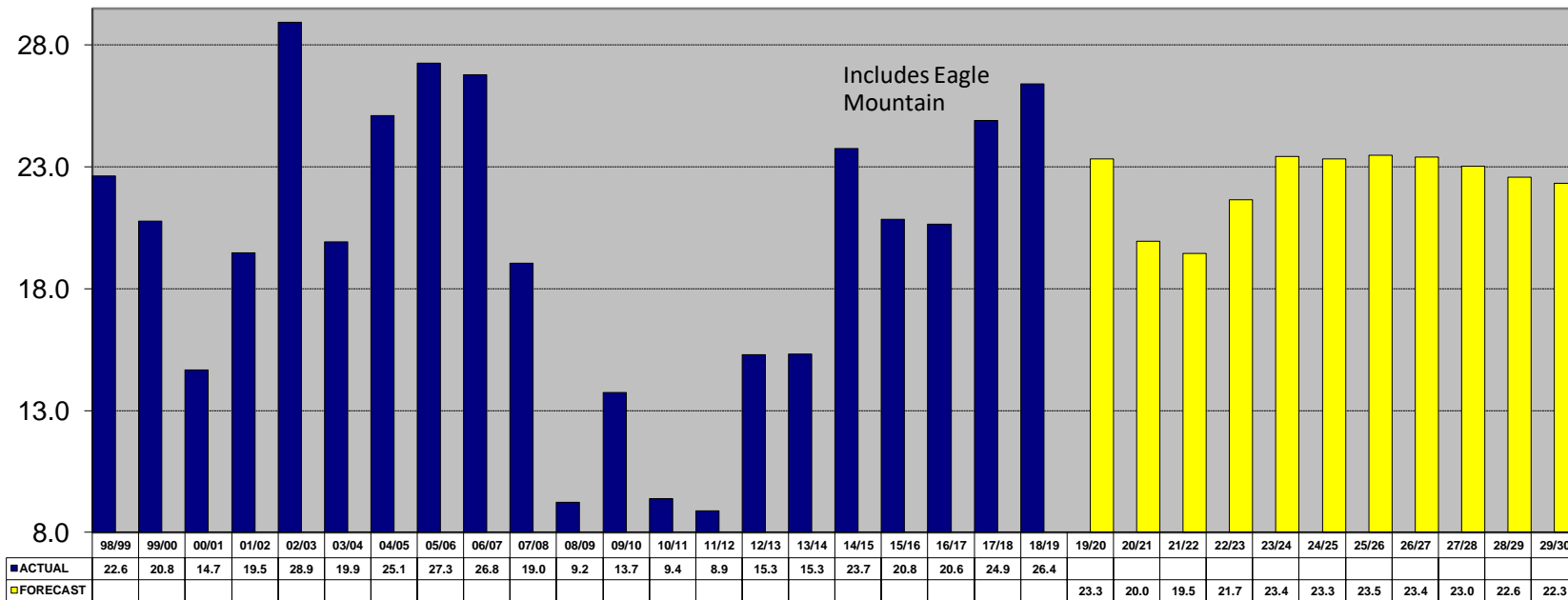
2020 IRP Technical Conferences

- March 9, 2020 – Technical Conference
 - Review of the Utah IRP Standards and Guidelines
 - Review of the Utah Commission’s 2019 IRP Order
 - LNG Project Update
 - Sustainability Initiatives Update
- April 23, 2020 – Technical Conference
 - Heating Season Review
 - System Integrity Update
 - Fuel Line Issue Review
- May 12, 2020 – Technical Conference
 - Distribution Action Plan Project Detail
 - Long-Term Planning
 - Future Rural Expansion
 - Future STEP Projects

2020-2021 Customer and Gas Demand Forecast

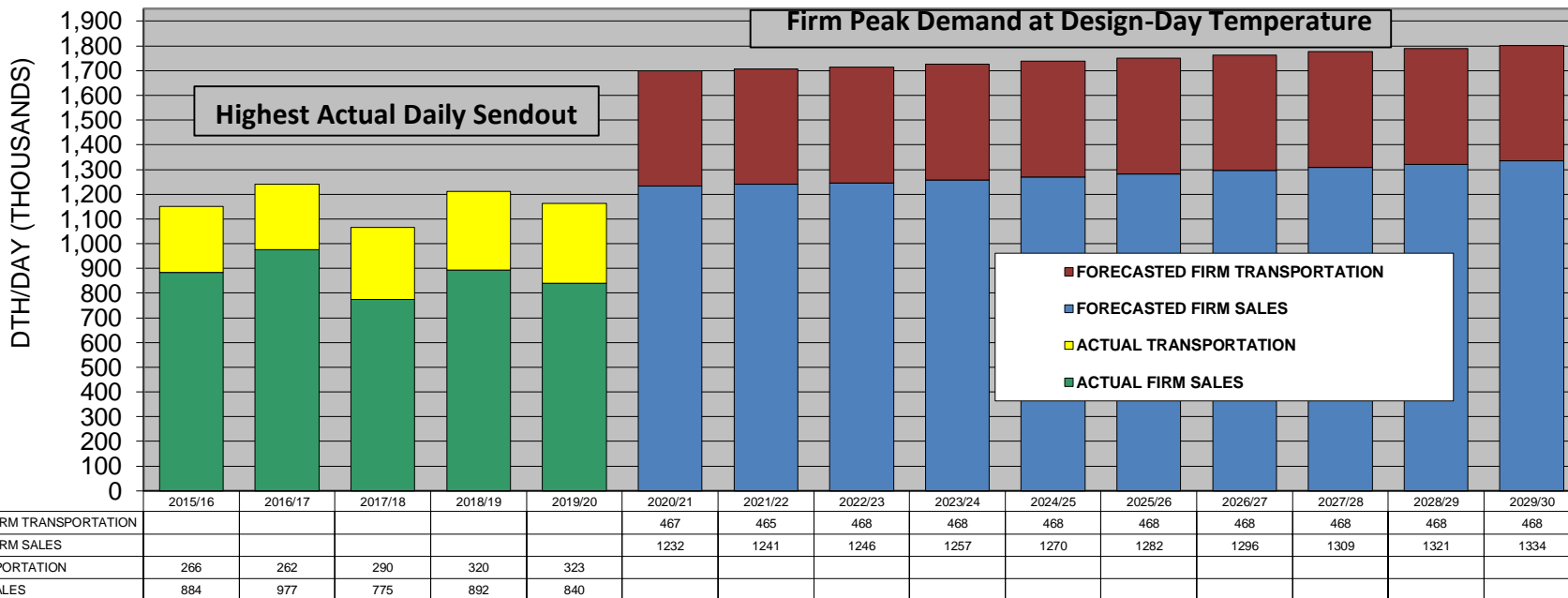
- 2020-2021 GS customer additions forecast

Customers (Thousands)



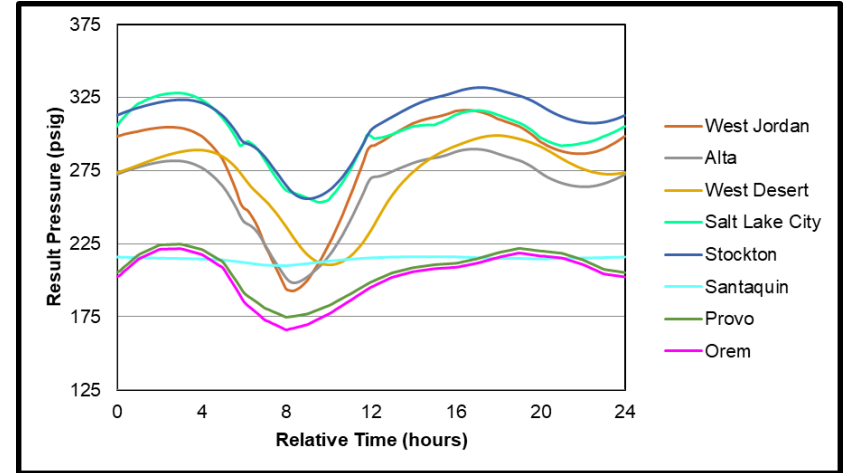
2020-2021 Customer and Gas Demand Forecast

- Design-day firm sales demand = 1.23MMDth



2020-2021 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
 - Rose Park gate station
 - Lindon (RE0027) HP regulator station
 - FL55 extension
 - FL133 reinforcement tie
 - Saratoga (TG0005) gate station
- Long-term Planning



2020-2021 Distribution System Action Plan

- High Pressure Projects:

Year	Project	Estimated Cost	Revenue Requirement
2020	TG0007 District Regulator Station	\$9,300,000	\$1,078,800
	Rose Park Gate Station	\$15,800,000	\$1,832,800
	St George Reinforcement Tie (FL133)	\$21,000,000	\$2,436,000
	Utah State Prison Site Extension	\$2,862,000	\$331,992
2021	TG0005 Saratoga KRGT Gate Station	\$2,000,000	\$232,000
	RE0027 FL 26 HP Regulator Station	\$2,500,000	\$290,000
	LG0012 Logan District Regulator Station	\$4,800,000	\$556,800
	FL55 Extension	\$2,400,000	\$278,400
2022	Central 20-inch Loop (Phase 1)	\$32,813,000	\$3,806,308
	White Dome District Regulator Station	TBD	TBD
	American Fork District Regulator Station	\$3,000,000	\$348,000
	SY0002 Syracuse District Regulator Station	\$5,200,000	\$603,200
	FL13 West HP Station, Magna, UT	TBD	TBD
	FL13 East HP Station, Salt Lake City, UT	TBD	TBD

2020-2021 Distribution System Action Plan

- Proposed Plant Projects
 - On-system LNG facility
- Intermediate High Pressure Projects
 - Belt main replacement program
 - Aging infrastructure replacement (not included in the infrastructure rate adjustment tracker)
- Master Meters
- Rural Expansion
 - Utah's 2017 legislative session, lawmakers amended Utah Code Ann. §§ 54-17-401, 402, and 403 to encourage expansion of natural gas service to rural communities
 - Filed an application to serve Eureka, UT on December 3, 2019
 - Evaluating the feasibility of expanding to several interested communities

2020-2021 Integrity Management

	2020	2021	2022
Transmission Integrity Management Program	8,960	9,560	8,480
Distribution Integrity Management Program	1,719	1,734	1,689
Total Integrity Management Cost (\$ Thousands)	10,929	10,794	10,419

- Rule Updates
 - “Mega Rule”
 - PHMSA published part 1 on October 1, 2019
 - Plastic Pipe Rule
 - Valve Installation and Minimum Rupture Detection Standards Rule

- Industry and Company Best Practice Review

Year	HCA Miles Assessed	Anomalies Repaired
2012	26.470	28
2013	50.367	27
2014	54.555	20
2015	11.040	2
2016	37.226	4
2017	12.935	8
2018	30.212	9
2019	25.571	3

2020-2021 Environmental Review

- DEU is committed to compliance with environmental laws and regulations
- Conservation efforts will continue to have a positive environmental impact
 - Estimated savings of more than 1.4 MMDth of natural gas in 2019
 - Equivalent of about 74,074 metric tons of CO₂e or 16,003 passenger vehicles each driven for one year (calculated using EPA's GHG equivalencies calculator)
 - Lifetime savings attributable to the ThermWise® program totals more than 423,280 tons of CO₂e
 - Equivalent of about 91,447 passenger vehicles each driven for one year
- Dominion Energy announced that by 2050, it will achieve net zero greenhouse gas emissions

2020-2021 Purchased Gas

- Balanced portfolio of gas purchases of approximately 50.6 MMDth
- Historical heating season pricing:

Month	2018-2019	2019-2020	Difference
Nov	\$3.23	\$2.32	(\$0.91)
Dec	\$5.70	\$3.44	(\$2.26)
Jan	\$4.22	\$3.16	(\$1.06)
Feb	\$3.38	\$1.95	(\$1.43)
Mar	\$3.77	\$1.54	(\$2.23)
Average	\$4.06	\$2.48	(\$1.58)

*NPC FOM Index Price per Dth - Heating Season

2020-2021 Cost-of-Service Gas

- Level of Production
 - 63.0 MMDth (54% of forecasted demand)
 - Cost-of-service production continuing to decline

- Drilling Plans
 - For calendar year 2020, Wexpro plans on completing to production 14 net wells
 - Focus will be on the Trail Field and Vermillion Basin
 - 2021 through 2024, the total planned net wells 18, 18, 18 and 17 respectively

2020-2021 Gathering, Transportation, and Storage

- Transportation Capacity
 - Contracted capacity is adequate to meet design-day demands
 - DEQP #2945 is in evergreen – DEU would like to extend this contract
- 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
 - DEU is reviewing available options for meeting peak-hour demand requirements for the 2020-2021 heating season.

2020-2021 Sustainability

“Dominion Energy already has made important progress on emissions. This new commitment sets an even higher bar that I am confident we can - and will - reach. Net zero emissions will be good for all of our stakeholders - for our customers, communities, employees and investors.”

*-Thomas F. Farrell, II
Chief Executive Officer*

- Provide overview of Dominion Energy programs
- Provide details on DEUWI programs
 - Methane Reduction Program
 - Sustainability Initiatives
 - Wexpro Sustainability Initiatives

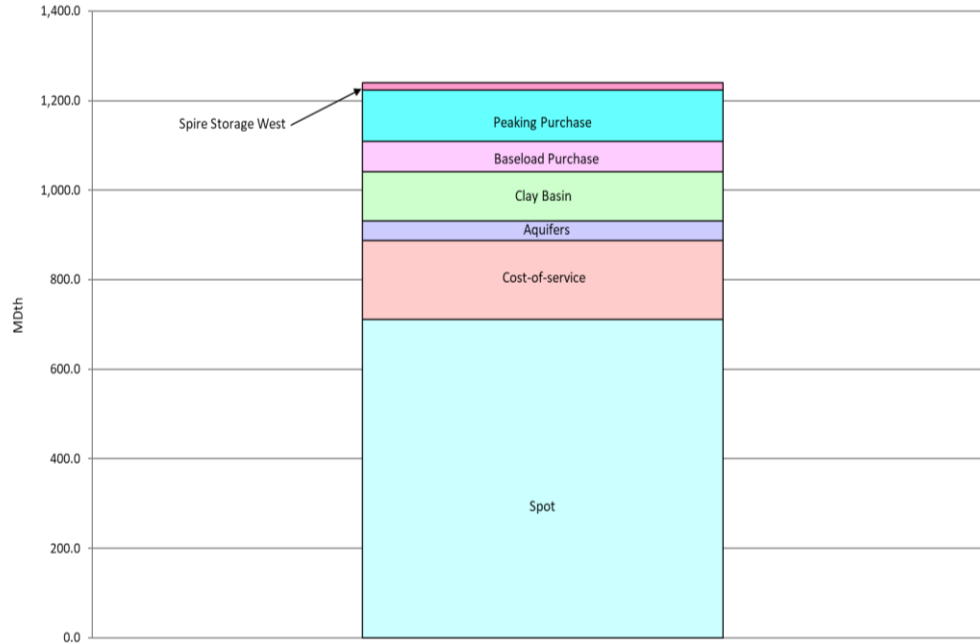
2020-2021 Energy Efficiency Programs

- Provide results of 2019 programs
- Provide expectations for 2020 programs

2020 Projections	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	\$4.23	1.65	\$27.55	4.97	\$4.60	1.75	-\$3.06	0.78
ThermWise® Builder Rebates	\$2.04	1.29	\$18.39	3.27	\$3.28	1.56	-\$2.28	0.80
ThermWise® Business Rebates	\$0.20	1.04	\$10.73	3.39	\$1.96	1.63	-\$1.59	0.76
ThermWise® Weatherization Rebates	\$1.26	1.15	\$18.10	2.90	\$1.65	1.21	-\$3.73	0.72
ThermWise® Home Energy Plan	\$0.09	1.17	\$2.07	50.46	\$0.09	1.15	-\$0.43	0.61
Low Income Efficiency Program	\$0.39	1.42	\$2.96	6.96	\$0.45	1.52	-\$0.45	0.75
Energy Comparison Report	\$0.06	1.11	\$2.25	5.25	\$0.06	1.11	-\$0.67	0.49
Market Transformation Initiative	-\$1.32	0	\$0	N/A	-\$1.32	0	-\$1.32	0
Totals	\$6.96	1.23	\$82.05	3.72	\$10.77	1.41	-\$13.53	0.73

2020-2021 Model Results

- Plan includes adequate supplies to meet design-day demand



Questions?

