

2018-2019 Integrated Resource Plan Technical Conference

Docket No. 18-057-01

2018 IRP Workshops

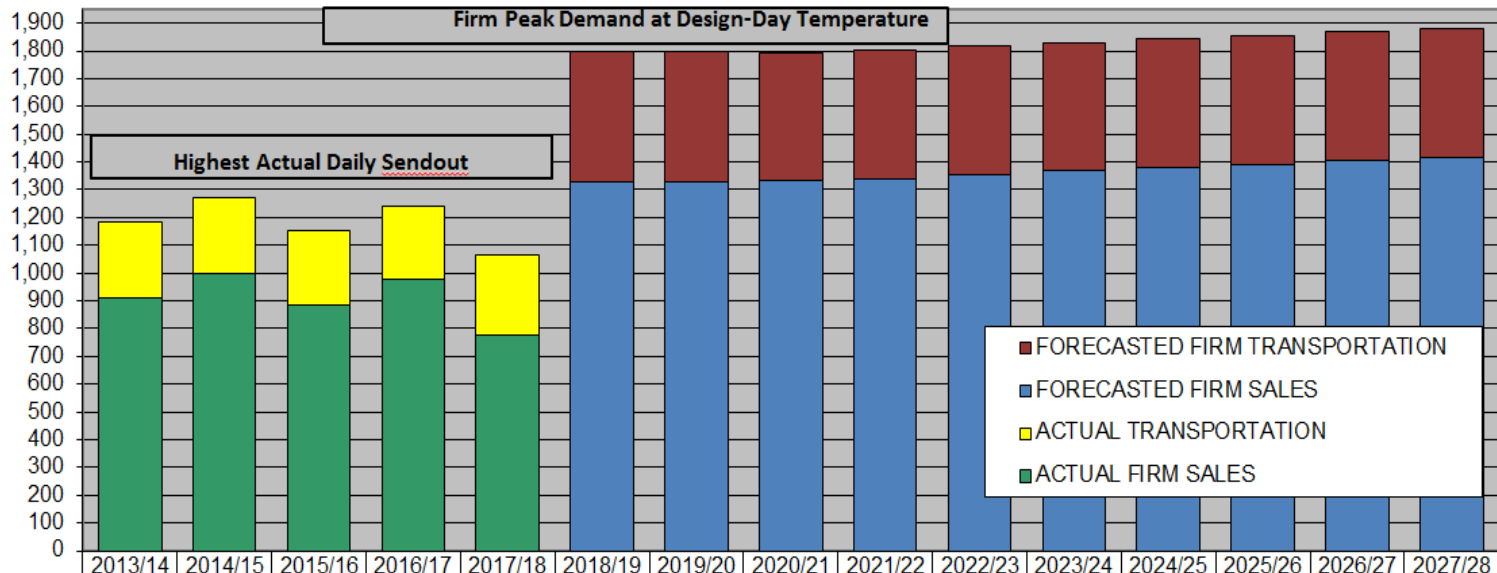
- February 21, 2018
 - Review of the Utah IRP Standards and Guidelines
 - Review of the Utah Commission's 2017 IRP Order
 - Interruptible Tariff
 - Proposed 2018-2019 IRP Outline
 - Demand Response
- March 13, 2018
 - Heating Season Review
 - Design-Peak Day Calculation
 - Supply Reliability
- April 24, 2018
 - RFP Recommendations
 - Dominion Energy Wexpro Update

2018-2019 Customer and Gas Demand Forecast

– Design-day firm sales demand = 1.330 MMDth

Data Table

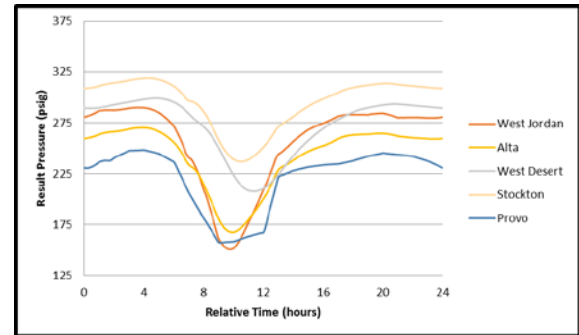
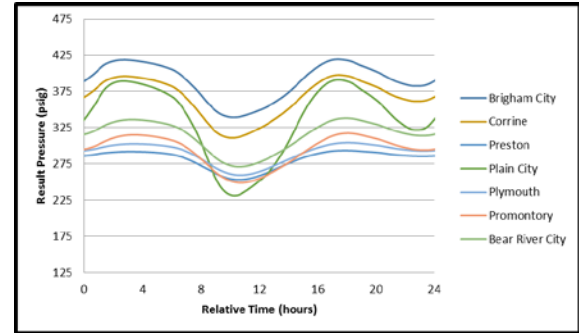
DTH/DAY (THOUSANDS)



	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
FORECASTED FIRM TRANSPORTATION						469	465	458	463	463	463	463	463	463	463
FORECASTED FIRM SALES						1330	1330	1332	1339	1353	1367	1379	1392	1406	1418
ACTUAL TRANSPORTATION	274	276	266	262	290										
ACTUAL FIRM SALES	911	996	884	977	775										

2018-2019 System Capabilities and Constraints

- Distribution system meets current peak-day needs
 - Assuming Firm Peaking Services provides increased flows during peak hours and adequate supply is received at the city gate stations
- Projects have been identified to address the following constraints and concerns:
 - Increasing demand and limited supply in the Northern and Central Regions
 - Low pressures at the endpoint of FL 51 near Plain City
 - Low pressures in the Vernal HP system
 - Low pressures in Fort Duchesne
 - Demand growth in the Southern HP System
 - Demand growth in Kemmerer



2018-2019 Distribution System Action Plan

- High Pressure Projects:

Year	Project	Estimated Cost	Revenue Requirement
2018	TG0006 District Regulator Station	\$3,200,000	\$427,000
	Westport Tap Station	\$5,120,000	\$716,000
	FL111 Extension	\$4,850,000	\$619,000
2019	LG0012 District Regulator Station	\$4,800,000	\$640,000
	Rose Park Gate Station	\$15,800,000	\$2,196,000
	North Temple HP Regulator Station	\$3,000,000	\$423,000
	TG0007 District Regulator Station	\$9,300,000	\$1,297,000
	New Utah State Prison Extension	\$2,862,000	\$372,000
2020	St George Reinforcement Tie	\$21,000,000	\$2,666,000
	Syracuse District Regulator Station	\$5,200,000	\$725,000
	Jamestown District Regulator Station	TBD	TBD
2021	White Dome District Regulator Station	TBD	TBD
2022	Bluffdale District Regulator Station	TBD	TBD
2021-2024	Central 20-in Loop (Phases 1 and 2)	\$72,000,000	\$9,133,000

- 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)

2018-2019 Purchased Gas

- Balanced portfolio of gas purchases of approximately 49.7 MMDth
- Historical heating season pricing

Table 5.2 NPC FOM Index Price per Dth – Heating Season			
Month	2016-2017	2017-2018	Difference
Nov	\$2.62	\$2.63	\$0.01
Dec	\$2.99	\$2.73	(\$0.26)
Jan	\$3.73	\$2.50	(\$1.23)
Feb	\$3.11	\$2.80	(\$0.31)
Mar	\$2.29	\$2.17	(\$0.12)
Average	\$2.95	\$2.57	(\$0.38)

2018-2019 Cost-of-Service Gas

- Level of production of 70.6 MMDth (61% of forecasted demand)
- Net costs are declining
 - 2016 to 2017 0.9% decline
 - 3rd consecutive year in decline
- 2018 drilling plans include 16.5 new wells



2018-2019 Gathering, Transportation, and Storage

- Contracted capacity is adequate to meet peak day demands
 - Renewal of Aquifer contracts for 5 years

Facility	Contract #	Capacity (Dth)	Withdrawal (Dth/day)
Leroy	985	886,996	79,540
Coalville	986	720,372	67,635
Chalk Creek	984	321,000	37,450

- DEQP Contract #2945 entered into year-to-year evergreen
 - 12,000/87,000 Dth/day seasonal contract
 - Provides capacity to transport gas to Ryckman Creek in the summer and Wasatch Front during the heating season
- Renewal of the DEQP Firm Peaking contract is dependent on outcome of the Firm Peaking Docket 17-057-20

2018-2019 Supply Reliability

- An LNG facility has been proposed to provide supply reliability
- FEED study has been completed
- Filed for review of a Voluntary Resource Decision in Docket 18-057-03



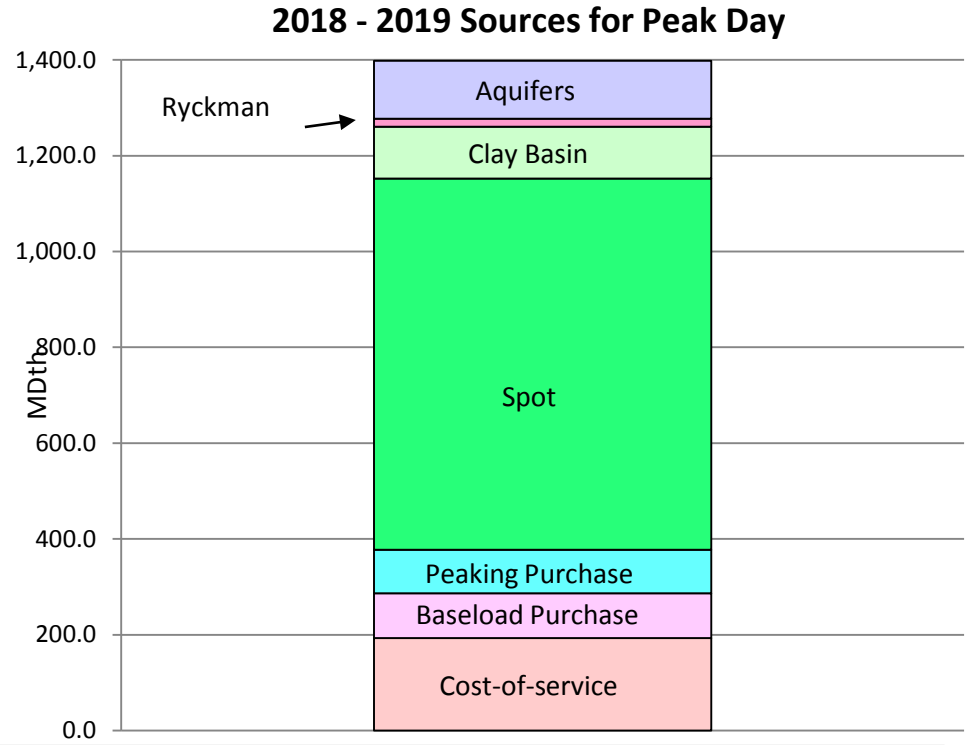
2018-2019 Energy Efficiency Programs

- Company should continue to promote cost-effective energy efficiency programs



2018-2019 Model Results

- Plan includes adequate supplies to meet peak-day demand



Questions?

