

Gas Transmission & Distribution

Gas System Update
Natural Gas Working Group

December 1, 2011

Pipeline System Inventory Returning



Pipe Ranger

http://www.pge.com/pipeline/news/20111104_1568_news.shtml

News

What Customers Want to Know for Winter

Friday, November 04, 2011

(4th paragraph in front page article)

- With ongoing efforts to restore pressure on cleared pipe segments and restore related pipeline inventory, it is our expectation that by December 1st, the available inventory swing will increase from 200 MMcf to 450 MMcf. This increase in total available system inventory will position CGT to better absorb fluctuations in supply and demand. This will eliminate the necessity of calling High/Low Inventory OFOs. However, we expect to continue to call one-sided OFOs on an ongoing basis as necessary.

Path Capacity Availability Still Impacted



Pipe Ranger Maintenance Page

http://www.pge.com/pipeline/operations/pipeline_maintenance/foghorn.shtml

As of Monday, November 28, 2011

(Any day not shown is at 100% capacity)

Redwood Path Maintenance					
Dates	Capacity (MMcf/d)	% of Max	Maintenance Notes		
November 28 - December 31	2130	98%	<p>Due to pipeline pressure reductions, CGT anticipates the Redwood path capacity will not be above this level during this time frame. The end date is subject to change. Capacity less than 2130 MMcf/d is listed below.</p> <p>NOTE: Effective November 11, capacity through Kern River Station will be limited to 50 MMcf/day.</p> <p>NOTE: Effective November 22, Kern River Station will be limited to 200 MMcf/day.</p>		
December 8	2115	96%	Delevan compressor K-1 maintenance		
Redwood Maximum Pipeline Capacities					
January	2209	May	2140	September	2118
February	2201	June	2114	October	2144
March	2179	July	2102	November	2177
April	2168	August	2103	December	2197

Path Capacity Availability Still Impacted



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Baja Path Maintenance Rectangular Snip			
Dates	Capacity (MMcf/d)	% of Max	Maintenance Notes
November 28 - December 31	822	72%	<p>Due to pipeline pressure reductions, CGT anticipates the Baja path capacity will not be above this level during this time frame. The end date is subject to change. Capacity less than 822 MMcf/d is listed below.</p> <p>NOTE: Effective November 11, capacity through Kern River Station will be limited to 50 MMcf/day.</p> <p>NOTE: Effective November 22, Kern River Station will be limited to 200 MMcf/day.</p>
December 06 - 18	645	57%	<p>Line-300 pressure reductions Line-300 hydrotesting Line-300 pipeline replacement</p> <p>NOTE: December 7-8 Freemont Peak/High Desert Lateral will be reduced to zero.</p>
December 19	645	57%	<p>Kettleman compressor station maintenance Line-300 pressure reductions Line-300 hydrotesting Line-300 pipeline replacement</p>
December 20 - 27	645	57%	<p>Line-300 pressure reductions Line-300 hydrotesting Line-300 pipeline replacement</p> <p>NOTE: December 26-27 Freemont Peak/High Desert Lateral will be reduced to zero.</p>
Baja Maximum Pipeline Capacities			
January through December			1140

High Demand for System Capacity

Pipe Ranger

http://www.pge.com/cgi-bin/pipeline/cgt_pipeline_status.pl

	Forecast for 11/28/2011	Forecast for 11/29/2011	Forecast for 11/30/2011	Forecast for 12/1/2011
Interconnect Supply				
Gas Transmission Northwest	755	803	803	803
Ruby	1328	1300	1300	1300
California Production	106	106	106	106
SoCal Gas (KRS)	0	0	0	0
Kern River GT - HDL	0	0	0	0
Kern River GT - Daggett	211	209	209	209
Southern Trails	10	0	0	0
El Paso Natural Gas	322	318	318	318
Transwestern	255	254	254	254
Withdrawal				
PG&E Storage (1613 Maximum)* Core, Market Center, and Pipeline Balancing	107	167	75	100
Wild Goose Storage	0	0	0	0
Central Valley Storage	0	0	0	0
Lodi Storage	0	0	0	0
Gill Ranch Storage	0	20	0	0
TOTAL SYSTEM SUPPLY	3094	3177	3065	3090

High Demand for System Capacity

Pipe Ranger

http://www.pge.com/cgi-bin/pipeline/cgt_capacity.pl

Physical Pipeline Capacities As of November 28, 2011 (Receipt Point Capacity, MMcf/d)		
	November 28, 2011	November 29, 2011
Redwood Path¹		
Redwood Path Capacity	2,130	2,130
From Gas Transmission Northwest	2,180	2,180
From Ruby	1,500	1,500
Baja Path		
Baja Path Capacity ²	822	822
From KRGT - HDL	282	282
From KRGT - Daggett	375	375
From Southern Trails	120	120
From El Paso Natural Gas	1,140	1,140
From Transwestern	400	400
Off-System		
To SoCalGas	200	200
To KRGT - HDL	282	282

Total Redwood Flow = 2,083

Total Baja Flow = 798

Total Both Paths = 2,881 or 98% Capacity Utilization

Underground Storage Levels Very Good



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News

What Customers Want to Know for Winter

Friday, November 04, 2011

(3rd paragraph in front page article)

- Northern California's current storage inventory levels are higher than they have been in the last three years at this same point in time. We at CGT currently have no concern or expectation that we will have any significant limitation in regular withdrawal capabilities at our storage facilities this winter.

Pressure Reductions



PG&E Initiated

Pressure reductions are initiated for a variety of reasons including anomalies identified by the in-line inspection process, class location changes, and findings from the MAOP validation process.

In most cases the reasons for the pressure reductions can be addressed quickly and the pipelines restored to a higher operating pressure.

CPUC Ordered

In late 2010 the CPUC ordered 20% pressure reductions for certain lines that have characteristics similar to Line 132 or that have been exposed to pressures greater than MAOP plus 10%. PG&E must receive approval from the CPUC before restoring pressures in these lines.

Lines 101, 132A, and 147

Even though the CPUC did not order a pressure reduction for this line, PG&E reduced pressure for this line so it is the same as that for Lines 132, and 109. PG&E is seeking CPUC approval to restore the pressure in these lines as if it had been ordered. PG&E has filed a request to restore pressures and anticipates a decision on this filing by December 15, 2011.

Pressure Reductions



12 Month Schedule for CPUC Ordered Pressure Reductions

Pacific Gas and Electric Company
Attachment A

12 Month Pressure Restoration Timeline Forecast for CPUC-Mandated Pressure Reductions

Estimated PG&E Filing Date	Line ⁽¹⁾	Beginning Mile Point	Ending Mile Point	Date Restoration is Needed	Impact of Delay to Restore Pressure
Mar-12	131-30	50.58 - Irvington Station	57.45 - Milpitas Terminal	Jun-12	This is an essential alternate supply to Milpitas and the San Francisco Peninsula. There will be potential impact under warmer than cold day demand conditions if the capacity of the primary supply is diminished. Potential impacts to deliveries to Milpitas and Hollister and downstream noncore customers.
Jul-12	148	0.0 - McMullin Ranch Station	17.63 - Witmore Ave and Morgan Rd Reg Station, Modesto	Oct-12	Potential to not meet elevated pressure needed by noncore customers. Incremental noncore curtailments at colder than Cold Winter Day (CWD)
Jul-12	1816-01	0.0 - Front St Reg Station, Salinas	8.44 - Rob Roy Station	Oct-12	Potential increase in noncore curtailments. Additional manual operations may be required.
Aug-12	300B	0.0 - CA/AZ Border	0.45 - Topock Compressor Station	Nov-12	Supply availability from El Paso Natural Gas is interrupted if the parallel Line 300A is removed from service for any reason. Potential of short duration loss of supply from El Paso has no immediate impact except for extreme cold high demand days. Requires the shut off of supply from El Paso Natural Gas when it is necessary to shut down the L300A side of the Topock plant for construction or maintenance.

⁽¹⁾ Lines 101, 132A and 147 were not Commission-ordered pressure reductions and are not included in this timeline; however, PG&E is seeking Commission approval for restoration of these lines and as such, the schedule for these lines is provided in PG&E's pleading. At the date of this filing, PG&E does not anticipate requesting restoration of the following lines in 2012: Commission-mandated - Lines 132, 153, 0805-01 and 0807-01; Non-Commission mandated - Line 109