

Panoche Station, it's really at the heart of our natural gas system for the state.

All of the gas that comes from the San Juan Basin in New Mexico, as well as from Canada, meet right here at this station. So it's a very critical station for our system.

With the new upgrade of the station, we're able to flow gas either direction. We can move gas from the north to south through all the different pipelines that connect through here. So the old configuration, there was a lot of equipment that was not used anymore in industry. It was unavailable. We couldn't get the parts for it. So if we had a failure, it would have been a major issue. With this new upgrade, we simplified the station and we actually put in industry standard equipment so we could get spare parts. We can make repairs.

On this job, we had about 13 phases, 13 different clearances. And within those clearance phases, there was additional work that was also done.

New piping, new instrumentation, new valving, new automation. Everything that we put in is for the safety and reliability of the system from here going forward out.

We had all those old gas racks here.

Yeah, gas racks.

So we had basically a single point of failure for all of our actuation. So if that one gas rack stopped providing power gas, the valves would just fail in their last position. So now you see all these have their own individual gas racks, and they're redundant, so they really can't fail.

The station had to be operational as we were constructing it, so it was pretty unique figuring out how we could still maintain the system safely and make sure that we could still flow gas.

A station rebuild like this, it's quite an undertaking.

We ended up excavating. It was about 20,000 or so cubic yards of soil, which is equivalent to more than five Olympic-sized swimming pools.

Nine months ago, this was all completely opened up. This whole ground, all this ground, was gone.

A 36-inch pipe is 190 pounds a foot. So you're talking big, big equipment to move it.

We had welders up to 16, sometimes even 20. And then as a whole, we had to work as a team.

The team found a number of efficiencies throughout the project to really continue to be as efficient as possible, use their time as best as possible, use their materials as best as possible, and drive savings that ultimately will not be on customers' bills.

I think it was initially scoped for about \$39 million, and we wrapped up at about \$32 million.

One of the things I'm really excited about on the natural gas system is we started capturing renewable natural gas and transporting it in our gas transmission system. So through this station, there is renewable natural gas that's being captured at dairies, waste facilities, and different things like that. And that renewable natural gas actually passes through the station on the way to the end use customer.

Very grateful that the investment here to ensure reliability for decades to come. There were so many men and women from all parts of the company and vendors that were out here for almost two years.

So thank you to our gas control techs, our general construction crews, our welders, our mechanics, and the people in the back office ensuring that they're developing a plan that ensures the reliability of our system.

A project of this scale, it really brings the true essence of PG&E together, focused on a mission to deliver for our customers.