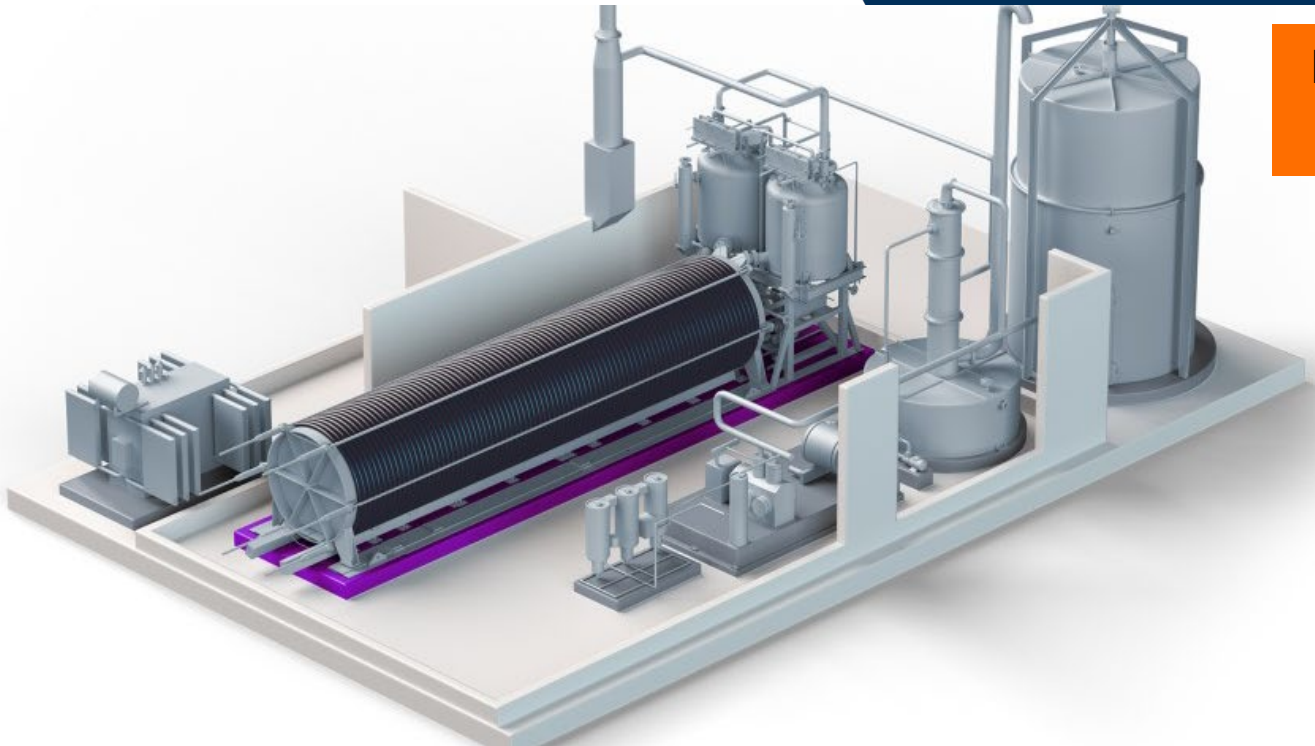


Plant #  
**620**



## Unused NEL Hydrogen Electrolyzers – 18,430 Nm<sup>3</sup>/hr

**Capacity:** 18,430 Nm<sup>3</sup>/hr

**Process Information:** A485 atmospheric alkaline units with a maximum hydrogen production capacity of approximately 18,430 Nm<sup>3</sup>/hr, producing up to 298 SCFM per unit at less than 1% oxygen purity, operating across a 15–100% load range, and requiring approximately 2.5 MW of electrical power.

### Major Equipment

- Electrolyzers
- Electrolyte system module
- Gas analyzers
- Control System

### Brief Plant Description

Never used, never installed Nel electrolyzers with maximum hydrogen production capacity of approximately 18,430 Nm<sup>3</sup>/hr. The system consisting of (38) NEL A485 Atmospheric Alkaline Electrolysers. Each unit rated 1.45 psi @194F, produces up to 298 SCFM of hydrogen at full load with less than 1% oxygen content, and operates across a production range of 15% to 100%. Energy consumption is about 166 kWh per SCF of hydrogen, with an overall design electrical power requirement of 2.5 MW. Dimensions: 38.2 ft × 6.7 ft × 7.4 ft, weighs 88,850 lbs dry and 138,670 lbs in operation.

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