**Edmonston Pumping Plant**

From Wikipedia, the free encyclopedia

[Coordinates](http://en.wikipedia.org/wiki/Geographic_coordinate_system): [34°56′32.499″N 118°49′28.793″W﻿ / ﻿34.94236083°N 118.82466472°W﻿ / 34.94236083; -118.82466472](http://toolserver.org/~geohack/geohack.php?pagename=Edmonston_Pumping_Plant&params=34_56_32.499_N_118_49_28.793_W_)



**Edmonston Pumping Plant** is a [pumping station](http://en.wikipedia.org/wiki/Pumping_station) near the south end of the [California Aqueduct](http://en.wikipedia.org/wiki/California_Aqueduct). It raises the water 1,926 feet (600 m) to cross the [Tehachapi Mountains](http://en.wikipedia.org/wiki/Tehachapi_Mountains). The Edmonston Pumping Station requires so much power that several power lines off of [Path 15](http://en.wikipedia.org/wiki/Path_15) and [Path 26](http://en.wikipedia.org/wiki/Path_26) are needed to ensure proper operation of the pumps, and is the most powerful water lifting system in the world when not considering [pumped-storage hydroelectricity](http://en.wikipedia.org/wiki/Pumped-storage_hydroelectricity) stations.

**Characteristics**

* Number of units: 14 (two galleries of 7)
* Normal static head: 1,970 ft
* Total flow at design head: 315 ft³/s (9 m³/s)
* Motor rating: 80,000 hp (60MW)
* Flow at design head: 315 ft³/s (32,000 m³/s)
* Total flow at design head: 4410 ft³/s (450,000 m³/h)
* Total Motor rating: 1,120,000 hp (835 MW)

**Sources**

* <http://www.nautiloid.net/peanut/dwrvisit/main.html>
* <http://wwwswpao.water.ca.gov/publications/bulletin/95/view/tables/ti-3.htm>

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