

WASTEWATER SYSTEM

Fact Sheet

TREATMENT PLANTS

- o Donald C. Tillman Water Reclamation Plant (WRP)
80 mgd capacity; tertiary treatment
- o Los Angeles-Glendale WRP
20 mgd capacity; tertiary treatment
- o Hyperion Treatment Plant
450 mgd capacity; secondary treatment
- o Terminal Island WRP
30 mgd capacity; tertiary and advanced treatment

CONVEYANCE SYSTEM INFO

- o Largest separate wastewater collection system in the country
- o Serves >4 million
- o 6700 miles of pipes; 140,000 maintenance holes; 47 pump stations
- o Service area >600 square miles
- o 29 satellite agencies

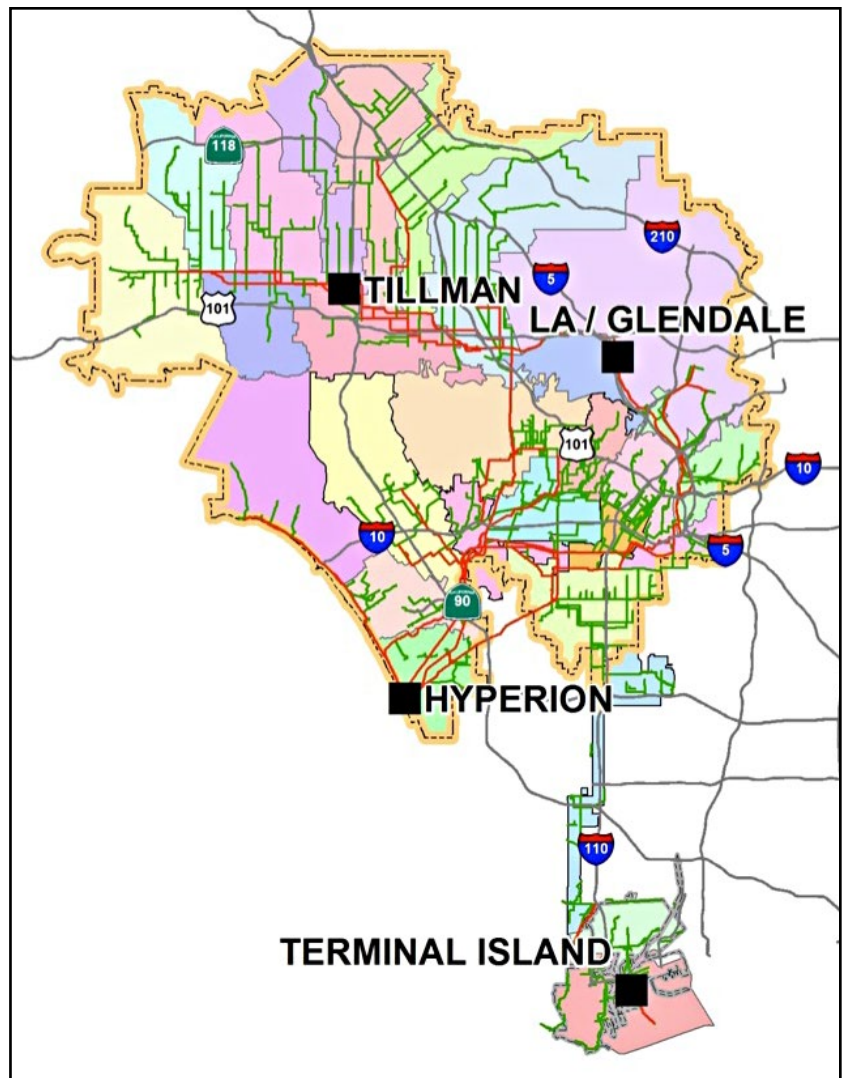
PLANNED FACILITIES/PROGRAMS

o The North East Interceptor Sewer (NEIS II) will relieve the section of the North Outfall Sewer south of LA-Glendale WRP and convey wastewater from the Glendale Burbank Interceptor Sewer to prevent overflows and spills. The design stage of NEIS II is estimated to be completed by late 2014 and construction is estimated to begin in 2015.

o The Hyperion Digester Gas Utilization Project is the City's latest effort to make Hyperion self-sufficient and sustainable. For many years, Hyperion has beneficially reused recycled water, biosolids for soil augmentation and now biogas as a renewable fuel to generate electricity and steam. This project will also minimize gas flaring and will reduce regional demand for fossil fuel electricity generation.

o The Terminal Island WRP currently produces 6 mgd of highly purified water, which is delivered to the Dominguez Gap to prevent saltwater intrusion and to recycled water customers for irrigation and industrial uses. The advanced water treatment facility capacity is being expanded (estimated to be completed in 2017) to increase the production to approximately 12 mgd. Additional recycled water will be delivered to Dominguez Gap, Machado Lake and other recycled water customers.

o Advanced treatment and operational improvements are planned at the Tillman WRP to produce approximately 30,000 AFY of highly purified water for groundwater replenishment.

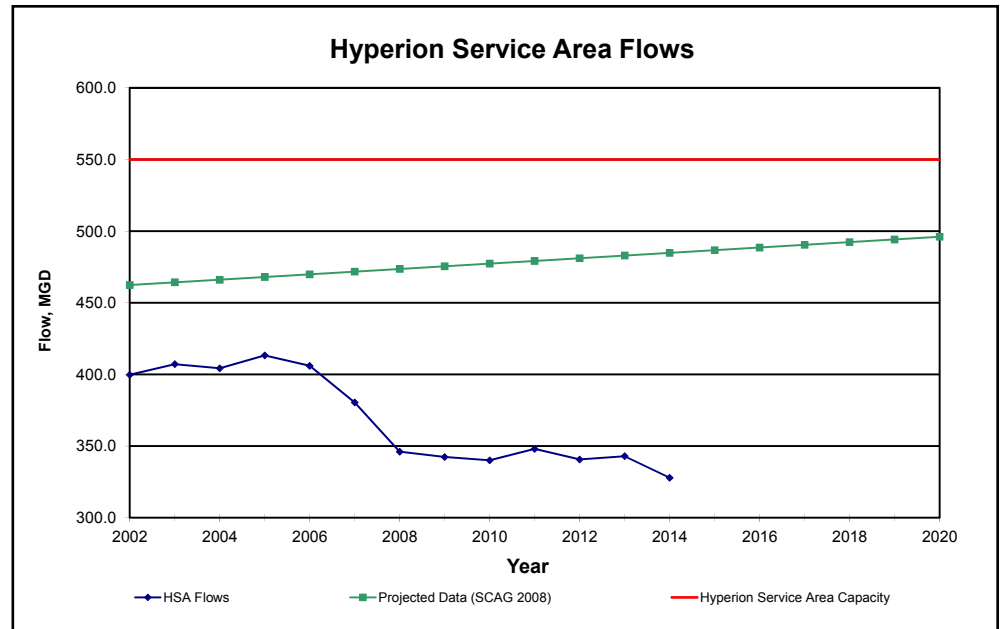


CHALLENGES

- o Increasing recycled water production despite the decrease in wastewater generation.

POTENTIAL OPPORTUNITIES

- o Diverting additional wastewater flow to the Tillman WTP
- o Additional diversions to treatment plants from stormwater, groundwater dewatering (i.e., from construction or built projects)
- o The City is currently conducting extensive research on satellite treatment plants, greywater systems, and other on-site water reuse practices and technologies



RECYCLED WATER PRODUCED IN FY 2013-14

PLANT	TREATED WASTEWATER PRODUCED mgd (AFY)	WATER REUSED		ADDITIONAL POTENTIAL REUSE	
		mgd (AFY)	% of Produced	mgd (AFY)	% of Produced
Hyperion Treatment Plant	279 (312)	47 (53)	17%	232 (260)	83%
Donald C. Tillman Water Reclamation Plant	35 (39)	29 (32)	83%	6 (7)	17%
Los Angeles -Glendale Water Reclamation Plant	15 (17)	5 (6)	33%	10 (11)	67%
Terminal Island Water Reclamation Plant	15 (16)	4 (4)	27%	11 (12)	58%
TOTAL	344 (384)	85 (95)	25%	259 (290)	75%