

Valley Generating Station Stormwater Capture Project

PROJECT DESCRIPTION

The Valley Generating Station (VGS) is a power generating facility owned and operated by LADWP and it's located in the upper Sun Valley watershed. This is one of various stormwater capture projects located in the Sun Valley Watershed in the San Fernando Valley and it is designed to help alleviate localized flooding, recharge the groundwater basin, and improve downstream quality in the San Fernando Valley. In order to accomplish the goals of this project, stormwater runoff will be captured and directed through a series of recharge basins, swales and overflow culverts to strategic points on-site. Other project considerations are the upgrade of the existing gravel pit for use as possible storage and stormwater infiltration as well as the construction of a large infiltration swale on Little San Fernando Road to provide off-site stormwater capture. This project will increase groundwater recharge necessary to sustain the long-term reliability and utility of the groundwater basin and decrease the region's dependence on imported water supplies.

PROJECT LOCATION

The VGS is located in the Sun Valley Watershed in the San Fernando Valley at 11801 Sheldon Street and it is bounded to the southwest by Little San Fernando Road, to the southeast by Sheldon Street, to the northeast by LADWP's Truesdale Site, and to the northwest by the Tujunga Wash Channel. Council District 6 – Cardenas.

PROJECT BENEFITS

- Recharge of up to 700 AF per year
- Peak flow attenuation and improved water quality downstream in the Los Angeles River
- Reduced local flooding
- Open space opportunities including educational signage and native habitat
- Enhanced aesthetics

PROJECT SCHEDULE

At this time no schedule has been developed

PROJECT COSTS

The estimated construction cost is \$9.7M.

PROJECT PARTNERS/SUPPORTERS

- Los Angeles Department of Water and Power
- County of Los Angeles Department of Public Works
- City of Los Angeles Department of Public Works
- Upper Los Angeles River Area Watermaster
- TreePeople, Inc.

COOPERATIVE EFFORTS

- LADWP Urban Water Management Plan 2010
- City of Los Angeles' Integrated Resource Plan (IRP)
- Sun Valley Watershed Management Plan
- Los Angeles River Revitalization Master Plan
- Metropolitan Water District of Southern California MWD-IRP
- Water Quality Compliance Master Plan for Urban Runoff

