

Change-Out of Pop-up Riser Stems to In-Stem Flow Regulators and High-Efficiency Nozzles
 Van Nuys Airport industrial facility, 7540 Hayvenhurst Ave, Van Nuys, CA
6 valves changed-out of which time studies were made on 5 of them

	<u>Location</u>	<u>No. of Sprinklers</u>	<u>IFRs used</u>	<u>Nozzles Used</u>	<u>Water Savings</u>
1)	Valve No. 1 – Southerlymost area	27	27 POP420	27 PRNs	32.2%
2)	Valve No. 2	32	32 POP420	32 PRNs	30.1%
3)	Valve No. 3	22	22 POP420	22 PRNs	30.1%
4)	Valve No. 4	32	31 POP420 & 1 CP050	31 PRNs & 1 PSN-SST	27.8%
5)	Valve No. 5 – Northerlymost area	70	27 POP420 & 43 POP610	53 PRNs & 17 PSN-SSTs	<u>35.1%</u>

AVERAGE WATER SAVINGS FOR THE 5 VALVE SYSTEMS: 31.06%

NOTE #1: We did not move or add any sprinklers; we simply changed out the stems and the nozzles in every existing sprinkler in each valve system. Change-out Project was completed on or about March 23, 2015.

NOTE #2: The adjustable sprinklers (along the sidewalk) in the 5 valve systems in this Report all watered turf; the full circle sprinklers watered turf and shrubs.

Legend:
 POP420 = LittleValve 4" Toro 570Z Replacement stem
 POP610 = LittleValve 6" Rain Bird Replacement stem
 CP050 = 1/2" LittleValve Coupling
 PRN = Precision Rotating Nozzle by The Toro Company
 PSN-SST = Precision Spray Nozzle – Side Strip model by The Toro Company