

Change-Out of Pop-up Riser Stems to In-Stem Flow Regulators and High-Efficiency Nozzles  
 Van Nuys airport facility, 16813 Stagg Street, Van Nuys, CA  
8 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)	3 finger planters in parking lot	24	24 POP1210	24 PRNs	67.4%
2)	Shrub bed - west side of driveway:	29	29 POP1210	29 PRNs	66.1%
3)	SEC of building	24	19 POP1210 & 5 CP050	19 PRNs & 5 PSN-SSTs	31.5%
4)	Area in front of Center of building	35	26 POP1210 & 9 CP050	26 PRNs & 9 PSN-SSTs	74.4%
5)	SWC of building	21	16 POP1210 & 5 CP050	16 PRNs & 5 PSN-SSTs	<u>66.3%</u>
<b>AVERAGE WATER SAVINGS FOR THE 5 VALVE SYSTEMS:</b>					<b>61.14%</b>

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 13, 2015.

NOTE#2: Wherever sprinklers are watering just dirt, mulch, or gravel, we most often take advantage of the easy on/off adjustment control In-Stem Flow Regulators (**IFRs**) provide by substantially reducing the watering distances in order to save even more water. This site had various areas in which some sprinklers were closed off completely or partially closed down.

Legend: POP1210 = LittleValve 12" 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