

Tips for Going Green at the Car Wash



Water Management

Managing fresh water consumption and process output

Process water

Reclaim Wash Water – reduce fresh water consumption by as much as 90% by reclaiming and re-using wash water

Reverse Osmosis Reject Water – re-use spot free reject water for process high pressure pumps or irrigation needs

Re-nozzle Process Applicators – reduce nozzle orifice size on applicators and rinse systems

Domestic Water

Irrigation – deploy rain sensors to automatically measure precipitation and prevent irrigation systems from watering in rainy condition

Restrooms – route gray water from sink drains to irrigation system

Sewer Connection – by virtue of your mandated sanitary sewer connection, harmful effluent is controlled and processed prior to release into the environment

Effluent – prevent volatile organic compounds (VOCs) and phosphates from entering the water shed by using earth friendly car wash chemistry

Power Management

Managing electrical consumption

Process Power

Three Phase – implement variable frequency drive (VFD) motor control to reduce energy consumption

Single Phase – deploy LED fixtures and spiral fluorescent bulbs in all process signs to reduce power consumption

Domestic Power

Lighting – chose to use spiral fluorescent bulbs and T-5 fluorescent tubes to reduce power consumption



Natural Gas Management

Managing gas consumption

Process Gas

Water, Concrete, Bay/Tunnel Heat – operate a high efficiency boiler to reduce natural gas con-

Energy Production

Power generation and water capture

Power Production

Photovoltaic Systems – deploy PV systems on roofs and shade structures to generate clean site electricity

Wind Energy – deploy a wind turbine to generate clean site electricity

Conservation

Recycle, Chose Recycled, and Use Re-useable or Smart
Printer Paper / Receipt Paper / Greeting Cards / Cups
Plastic Chemical Drums and Cardboard Packaging Material
Rechargeable Batteries for Hand Held POS and Communication Gear