

## VCFD Brush Engine



A brush engine is smaller than an urban/structural engine. They are designed for rural/wildland firefighting where access is limited and roadways are not always available. The equipment and components are oriented toward fighting brush fires.

Brush engines have a 500 GPM (gallons per minute) pump, a 500-gallon water tank and a larger complement of smaller and lighter hose for wildland firefighting. The pump has a built-in foam system allowing the water to be chemically treated to aid in the

extinguishment of brush fires.

A unique feature on the brush engine is the pump-and-roll capability. This makes them very effective against fast-moving brush fires. They can drive and pump water at the same time, allowing firefighters to make a "running attack" on the fire.

**Staffing:** When a brush fire occurs, the three-person crew assigned to the first-run engine at a fire station will normally change to staff the brush engine. At times of extreme emergencies or potential emergencies, the brush engines may be staffed separately and staffing may be increased.

**Radio designation:** Brush engines are a Type III engine resource (wildland) in the Incident Command System, so our brush engines are numbered in the "300" series.

Engine 3+ station number.  
i.e.: Engine 357.

