



## Environmentally Preferable Purchasing Program

### HAND HELD EQUIPMENT IN LANDSCAPING OPERATIONS



<b>WHO</b>	Parks & Recreation Department
<b>WHAT</b>	Low Emission Edgers, Trimmers, Chainsaws
<b>HOW</b>	Echo Outdoor Power Equipment
<b>COST</b>	Comparable
<b>BENEFITS</b>	50% fewer emissions

#### **GREEN PURCHASING**

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In July of 2007 the Parks and Recreation South Division selected environmental goals through an Environmental Management System (EMS) pilot in order to analyze, control and reduce the environmental impacts of their activities. One of the EMS teams sought to reduce emissions from hand-held equipment in landscaping operations with a goal to field test gas-powered equipment that had low air-pollutant emissions. Data from the Environmental Protection Agency's (EPA) Small Engine Certification Program and California Air Resources Board was used to locate the low emission equipment available. Field testing of the low emission equipment was completed, resulting in procurement of an initial six items.

#### **BENEFITS**

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The new 2-stroke equipment has an average of 50% fewer emissions. The volatile organic compound (VOC) and nitrogen oxide emission reductions improve air quality by reduced smog production. Carbon monoxide emissions, another air pollutant, are also reduced.

#### **COST**

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The EMS team completed field testing of low emission equipment from three manufacturers and procured equipment including edgers, trimmers, and chainsaws from one of the groups tested. The items were priced comparably to other models available on the market.

#### **PERFORMANCE**

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In addition to the benefits above, the 2-stroke engines are light weight and easier to handle. Repair part availability for the equipment was also evaluated and deemed satisfactory.

#### **CONTACT**

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#### **CITY OF PHOENIX INFORMATION**

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See [IFB 07-067](#), A to Z Equipment Rental & Sales.