



**CITY OF SANTA BARBARA**  
**PARKS AND RECREATION COMMISSION REPORT**

**AGENDA DATE:** March 27, 2013  
**TO:** Parks and Recreation Commission  
**FROM:** Parks Division, Parks and Recreation Department  
**SUBJECT:** Integrated Pest Management 2012 Annual Report

**RECOMMENDATION:** That the Commission accept the Integrated Pest Management (IPM) 2012 Annual Report and forward the report to City Council.

**DISCUSSION:**

Background

The City of Santa Barbara adopted an IPM Strategy on January 26, 2004, to provide an ongoing specific program to further reduce the amount and toxicity of pesticides used on City property and, where feasible, to eliminate pesticide use in public areas using alternative methods. The City had been informally identifying and employing the least toxic alternatives since the 1990s. The City's IPM Strategy formalized this effort, and requires an annual program report to be presented to the IPM Advisory Committee, Parks and Recreation Commission, Airport Commission, and City Council.

In addition to reviewing annual program implementation, the 2012 Report discusses the Pesticide Hazard And Exposure Reduction (PHAER) Zone Model adopted by the City Council on February 14, 2006, and improvements to City facilities to reduce pesticide use. The IPM Strategy required the development of a "Zone System" tied to the IPM Approved Materials List to limit pesticide use based on potential human exposure.

The PHAER Zone model assigns Green, Yellow, or Red/Special Circumstances Zone designations to sites, or portions of sites, based upon the potential for exposure by humans and sensitive habitat to hazardous pesticides and allows use of carefully screened materials by zone designation. For example, Green Zones are areas of high human exposure potential and only pesticides designated as "Green", which show very limited human and environmental impacts may be used. Yellow Zones are areas with moderate human or environmental hazard. Red/Special Circumstances Zones are areas where high hazard pesticides for highly challenging pest management problems are needed to control pests. Overall, the Zone Model provides for incremental and measurable expansion of risk-reduction

efforts, along with communicating clearly to the public the general potential for pesticide exposure.

The IPM 2012 Annual Report (Attachment 1) addresses the following:

- Types of pest problems encountered by each department
- Types and quantities of pesticides used by each department
- Exemptions currently in place and granted the past year
- Alternative pest management practices
- Effectiveness of alternative practices
- Proposed changes to pest management practices

### **IPM 2012 Program Highlights**

The use of Green materials decreased from 2,461.4 units in 2011 to 1,121 units in 2012. The use of Yellow materials decreased from 808.9 units to 779.2 units. The use of Red materials increased from 7.06 units to 15 units. Overall pesticide use decreased from 3,277.3 units to 1,915.2 units. The majority of the overall decrease is due to lower than average rainfall, requiring less mosquito control. The control of mosquitoes accounted for 89% of all the pesticide units used City-wide in 2012.

The table below is a summary of pesticide use for 2012, including any increase or decrease in material use from 2011. It is important to note that because pesticide use will vary from year to year, an increase or decrease from the previous year does not necessarily indicate a long-term trend. Many factors affect the amount of pesticides applied in any one year.

Department / Division	Material Use				Change from 2011
	Green	Yellow	Red	Total	
Airport Department	346.34	738.51	0	1084.8	57% Decrease
Golf Division	2.21	2.84	7.9	12.95	27% Decrease
Parks Division	16	14.675	0	30.675	232% Increase
Public Works Department	756.5	23.13	7.1	786.73	11% Increase
<b>City-Wide Total</b>	<b>1121.1</b>	<b>779.15</b>	<b>15</b>	<b>1915.2</b>	<b>42% Decrease</b>

### **IPM Advisory Committee Recommendation**

At a special meeting held March 11, 2013, the IPM Advisory Committee reviewed and approved the IPM 2012 Annual Report and recommended that the report be forwarded to the Parks and Recreation Commission, Airport Commission, and City Council for review

and approval. A memo from Greg Chittick, Chair, on behalf of the IPM Advisory Committee is attached (Attachment 2).

**ATTACHMENTS:** 1. IPM 2012 Annual Report  
2. Memo from IPM Advisory Committee

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**SUBMITTED BY:** Jill Zachary, Assistant Parks and Recreation Director

**APPROVED BY:** Nancy L. Rapp, Parks and Recreation Director