



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

**AGENDA DATE:** April 22, 2015  
**TO:** Parks and Recreation Commission  
**FROM:** Parks Division, Parks and Recreation Department  
**SUBJECT:** Integrated Pest Management 2014 Annual Report

**RECOMMENDATION:** That the Commission accept the Integrated Pest Management (IPM) 2014 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 2014 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 2014 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 2014 Program Highlights

The use of Green materials decreased from 2,339 units in 2013 to 867 units in 2014. The use of Yellow materials increased from 1,159 units to 1,896 units. The use of Red materials decreased from 28 units to 9 units. Overall pesticide use decreased from 3,525 units to 2,772 units. City-wide pesticide use overall decreased 21% in 2014, primarily due to another low rainfall year that has resulted in fewer pests.

The table below is a summary of pesticide use for 2014, including any increase or decrease in material use from 2013. 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 Tier Category				2013 Total Pesticide Use	Percent Change
	Green	Yellow	Red	Total		
Airport Dept	720	1,282.2	0	<b>2,002.2</b>	3,172.85	-37%
Golf Division	1.55	3.32	8.51	<b>13.38</b>	29.19	-54%
Parks Division	0.27	11.961	0	<b>12.231</b>	24.20	-49%
Public Works Dept.	145.52	598.57	0	<b>744.09</b>	298.86	+149%
<b>2014 Total</b>	<b>867.34</b>	<b>1,896.1</b>	<b>8.51</b>	<b>2,771.9</b>	3,525.10	-21%
<b>2013 Total</b>	2,338.78	1,158.65	27.67	3,525.10		
<b>Percent Change</b>	-63%	63%	-69%	-21%	-	-

### IPM Advisory Committee Recommendation

At a special meeting held April 13, 2015, the IPM Advisory Committee reviewed and approved the IPM 2014 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 2014 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