

## Monrovia Urban Environmental Accords 2007- 08 Annual Update

Accord Action Item	Achieved	In Progress	Undetermined
<b>Energy</b>			
1. Renewable Energy		✓	
2. Energy Efficiency		✓	
3. Greenhouse Gas Emission		✓	
<b>Waste Reduction</b>			
4. Waste Diversion		✓	
5. Manufacturer Responsibility		✓	
6. Consumer Responsibility		✓	
<b>Urban Design</b>			
7. Green Building		✓	
8. Urban Planning		✓	
9. Community		✓	
<b>Urban Nature</b>			
10. Parks		✓	
11. Habitat Restoration		✓	
12. Wildlife		✓	
<b>Transportation</b>			
13. Public Transportation	✓		
14. Clean Vehicles		✓	
15. Reduce Congestion		✓	
<b>Environmental Health</b>			
16. Toxic Reduction		✓	
17. Promote Wellness		✓	
<b>Water</b>			
18. Water Demand		✓	
19. Water Source Protection		✓	
20. Wastewater		✓	
21. Groundwater		✓	
<b>TOTALS</b>	<b>1</b>	<b>20</b>	<b>0</b>

## **ACTION ITEM 1 – ENERGY – USE OF RENEWABLE ENERGY**

*Adopt and implement a policy to increase the use of renewable energy to meet 10% of the City's peak electric load by 2015.*

### **BASELINE DATA (20 points)**

The Energy Action Plan completed by the Intergy Corporation provides a 2007 baseline that will be established for the purpose of measuring the actual amount of renewable KWH to meet the 10% goal.

The Energy Action Plan provides renewable energy sources available to the City of Monrovia. Rule out non-viable sources. (The most often used renewable sources are: hydropower (water), solar, wind, geothermal, and biomass.)

The Energy Action Plan provides information on energy sources, including Edison source availability of choice (sources not ruled out after research is completed), and determines the projected renewable energy savings through 2015 by utilizing these sources (percentage of electric load that would be reduced).

Note: As of 2007, SCE reported using 17% renewable energy.

**Status:** Baseline is 100% complete = 20 points

The Energy Action Plan is completed and is currently being reviewed by SCE. Intergy reports SCE Commitment to use 20% renewable energy by 2010. Based on 2007 baseline, SCE will only meet 3% of Monrovia's 10% goal.

### **ACTION STRATEGY (30 points)**

Determine the fiscal impact of renewable energy sources: cost of installation, cost of use, life span of product/source, available incentives, and the amount of money saved; versus the utilization of less non-renewable energy sources through 2015. SCE commitment means Monrovia needs to address the remaining 7%. Based on 2007 Baseline, 948,276 KWH needs to be obtained through solar, wind or similar means.

Establish a master plan for the increased utilization of renewable energy sources based on the research, energy savings evaluation and cost/benefit evaluation results. Green Build Ordinance will encourage the use of renewable energy.

**Status:** Action Strategy is 30% Complete = 9 points

Staff is working with Intergy to determine the economic feasibility of meeting 7%. Energy Action Plan lists the type of projects that could meet the additional 7% goal.

### **IMPLEMENTATION (40 points)**

Upon fiscal funding, exercise all available incentives and plans for increased use of renewable energy sources. (California Solar Initiative, EnergyStar, Federal Energy Bill, California Emerging Renewables Program, etc.)

Implement and complete master plan projects to increase the use of renewable energy and the additional 7% provided by SCE to meet the City's overall goal of 10% renewable energy.

**Status:** Implementation is 0% complete = 0 points.

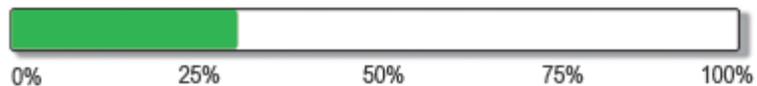
Staff is continuing to seek Intergy's expertise to determine the feasibility of obtaining the Action Item goal. Intergy Energy Action Plan provides strategies needed to accomplish the renewable energy goal of 7%.

**EVALUATION** (10 points)

SCE has a commitment to 3% renewable energy. To accomplish our goal of 10% by 2015 the City would need to incorporate a project that will obtain 7%.

**Status:** Evaluation is 30% Complete = 3 points  
Based on the City's baseline information.

Action Strategy 1: 32% Complete



**Total value: 100 points**

**Action Item Percentage Completed: 32%**

**ACTION ITEM 2 – ENERGY – ENERGY REDUCTION**

*Adopt and implement a policy to reduce the City’s peak electric load by 10% within 7 years through energy efficiency, shifting the timing of energy demands, and conservation measures.*

**BASELINE DATA (20 points)**

Completed a physical inventory of all City owned electrical systems and equipment. Verification of audit is the result of City’s participation in SGV Energywise Partnership (Southern California Council of Governments, Southern California Assoc. & Government, Southern California Edison and Intergy Corporation). The audit is complete and is included in the Energy Action Plan which will present and incorporate an energy savings incentive plan and a reduction of energy consumption plan.

Identify energy upgrades and incentives the city has participated in between (FY 2003-04 to FY 06-07) in conjunction with SCE electric bills (all 127 Monrovia SCE accts) for past five years, converted to Monrovia fiscal year July – June to determine current usage. Baseline information in Energy Action is for years 2004 and 2007. Monrovia is using the 2007 data as its baseline year. SCE has identified Monrovia’s peak load at 1564 kW.

**Status:** Baseline is 100% complete = 20 points.  
Audited physical inventory is complete and includes of all equipment installed through May 2008.

**ACTION STRATEGY (20 points)**

Review and evaluate cost/benefit of energy saving or upgrade recommendation(s) presented in the Energy Action Plan prepared by Intergy, Corp. Develop a master plan to implement a policy that will reduce the City’s peak electric load by 156.4 kW..

**Status:** Action Strategy is 60% complete = 12 points.  
Implement a program based on a third party audit and cost/benefit analysis. Staff working in conjunction with Intergy Corp. to develop a strategy that will reduce the city’s peak electric load by ten percent within 7 years.

**IMPLEMENTATION (25 Points)**

Develop a policy and exercise all available incentives and plans for energy reduction based on projects identified in Energy Action Plan.

**Status:** Implementation is 50% Complete = 12.5 pts  
Applications for rebates have been submitted. Incentives and rebates totaling \$20,967.00 have been received in conjunction with projects through May 2008. Applications for future projects will be submitted as project commences.

**EVALUATION (35 Points)**

Ongoing monitoring and evaluation of programs presented in the Action Strategies to determine if programs reduce the city’s peak electric load by 10% in 7 years. Monrovia’s goal is not to exceed 1407.6 kW per year

**Status:** Evaluation is 0% complete = 0 points

Action Strategy 2: 44.5% Complete



**Total value: 100 points**  
**Action Item Percentage Completed: 44.5**

### **ACTION 3 – ENERGY – GREENHOUSE GAS REDUCTION**

*Adopt a Citywide greenhouse gas reduction plan to reduce 25% of the jurisdiction's emissions by 2030, which includes a system for accounting and auditing greenhouse gas emissions.*

#### **BASELINE DATA (20 points)**

The Energy Action Plan provides information about the amount of greenhouse gases emitted by the City of Monrovia (City Facilities, Vehicles and Employees) for the fiscal year 2007-2008. California Assembly Bill 32 mandates the Cities shall not exceed its 1991 baseline year by 2030. Included are six gases listed in AB32 for determining factors.

- Carbon Dioxide (CO<sub>2</sub>)
- Methane (CH<sub>4</sub>)
- Nitrous Oxide (N<sub>2</sub>O)
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulfur Hexafluoride (SF<sub>6</sub>)

*Note: AB32 mandates that the State of California reduce GHGs by 2020. The Air Resources Board is to establish guidelines and formulas by January 2009. City of Monrovia to provide information to State database once it is complete. Additional information is expected from the State by the end of the 2008 Calendar Year.*

**Status:** Baseline is 12% Complete = 2.5 points

The Energy Action Plan is 100% complete and is currently being reviewed by SCE. The Plan includes Electricity, Natural Gas and City Fleet usage. Remaining information on greenhouse gases is outstanding.

#### **ACTION STRATEGY (30 points)**

- Determine the Annual Reduction Percentage Goal required to meet goal by 2030. Establish a Method of Evaluation and Accounting through 2030 based on AB32 formulas and guidelines (to be released in January 2009). Example: 22 years between 2008 and 2030. Reduction of 25% by year 2030 would require 1.4% reduction annually, 2.8% reduction bi-annually, etc. Establish regular audits and accounting of greenhouse gas emissions for each of the six gas categories. (Audit annually, bi-annually, etc.)
- Establish plan for accomplishing the annual percentage reduction of greenhouse gases goal(s) based on the research, Energy Audit and Intergy Corporation Report suggestions for reduction, and AB32 guidelines, formulas and requirements (to be released in January 2009).
- Determine the fiscal impact of chosen methods to reduce greenhouse gases. (Cost of installation of new equipment/energy sources, cost of use, life span of product/source, available incentives, and the amount of money saved (energy conserved).

**Status:** Action Strategy is 0% Complete = 0 points

#### **IMPLEMENTATION (40 points)**

- Exercise all available incentives and plans for reduction of greenhouse gases (California Solar Initiative, EnergyStar, Federal Energy Bill, California Emerging Renewables Program, etc.).
- Implementation of the Action Strategies will be based on guidelines established as AB 32 mandates are developed by the Air Resources Board.

**Status:** Implementation is 0% Complete = 0 points

**EVALUATION** (10 points)

Assess annually or as required by AB32 guidelines currently being developed.

**Status:** Evaluation is 0% Complete = 0 points.

Action Strategy 3: 2.5% Complete



**Total value: 100 points**

**Action Item Percentage Completed: 2.5%**

## ACTION 4 – WASTE REDUCTION – 75 % WASTE DIVERSION

Establish a policy to achieve 75% diversion to waste disposal methods by 2015.

### **BASELINE DATA (30 points)**

- 2007 Diversion
  - AB939 Annual Report-
    - The City’s reported 56% diversion on its 2006 Annual Report.
    - Waste Reduction, reuse and recycling program the City conducts are listed in the “PARIS” section of each annual report.
  - Percent Waste Diverted from Collected = 34.8% (44.25% w/ commercial 3<sup>rd</sup> party diversion)
- Residential Waste Services
  - Exclusive contract with Athens Services
  - 60 and 90 gallon trash barrels, 90 gallon recycling barrels (unlimited, by request), customer provided green waste (unlimited).
  - 2007 Contract Year Diversion
    - Single Family Residential Recycling Participation = 74.18%
    - Multi Family waste is diverted to waste to energy facility (contracted 50% diversion)

<b>2007</b>	<u>Collected (tons)</u>	<u>Diverted (tons)</u>	<u>Diversion %</u>
<b>Single family</b>	19,555.61	6,146.95	31.43%
<b>Multi-family</b>	6,203.19	3,099.54	49.97%
<b>City Facilities</b>	2,735.66	70.56	2.58%
<b>Overall</b>	28,494.46	9,317.05	32.70%

- Old Town-
  - Exclusive contract with Athens Services
  - Businesses are assigned to Enclosure share groups (4 enclosures have recycling)
  - 2007 Contract Year Diversion 2.87%

<b>2007</b>	<u>Collected (tons)</u>	<u>Diverted (tons)</u>	<u>Diversion %</u>
	1321.22	37.96	2.87%

- Commercial-
  - Permitted Hauler Program
  - 2007 Contract Year Diversion

<b>2007</b>	<u>Collected (tons)</u>	<u>Diverted (tons)</u>	<u>Diversion %</u>	<u>3<sup>rd</sup> Party Div. (tons)</u>	<u>Diversion % w/ 3<sup>rd</sup> party</u>
	19,666.15	7863.99	40.0%	4676.18	63.7%

- Evaluate current waste services in the context of City Council’s goals for long-term solid waste services planning:
  - **Long-Term Cost Containment** - Competitive and stable rate structure(s)
  - **Long-Term Disposal Assurance** - Insure multi-generational capacity
  - **Commitment to Waste Diversion** - AB 939 compliance and future mandates; Monrovia Environmental Accords- 75% diversion by 2015; Continue to seek disposal alternatives
  - **Quality Customer Service**
  - **Efficient Franchise Administration**

**Status:** Baseline 100% Complete = 30 points.

Diversion and contracted programs are monitored throughout the year and reported annually to the City Council. Staff has also provided a series of presentations regarding solid waste in the San Gabriel Valley and the City’s solid waste service arrangements.

**ACTION STRATEGY (25 points)**

- Solid Waste Service Arrangements:
  - Hire consultant to conduct independent third party analysis on solid waste services arrangements (aka. Solid Waste White Paper)
  - Review findings of Solid Waste White Paper and staff research with City Council Solid Waste sub-committee.
  - Present recommendations for solid waste service arrangements to City Council based on the sub-committee direction.
  - TBD... based on City Council direction
  
- Waste Management Programs-
  - Evaluate current programs for waste diversion effectiveness
  - Research and develop new programs to increase diversion.

**Status:** Action Strategy is 50% Complete = 12.5 points.  
Staff has presented research findings to the City Council through Study Session discussion. The Solid Waste White Paper was completed and presented to City Council on July 15, 2008. Staff met with the City Council sub-committee on July 28, 2008.

**IMPLEMENTATION (40 points)**

- Solid Waste Service Arrangements- TBD... based on City Council direction
- Waste Management Programs-
  - Expand public education and programs offered to reduce, reuse and recycle solid waste... TBD based on City Council direction on solid waste services arrangements.

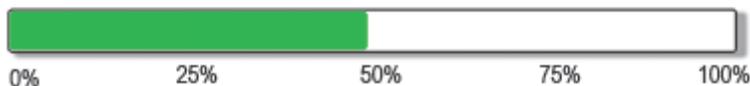
**Status:** Implementation is 5% Complete = 2 points  
A new section was added to the Monrovia Today and featured waste reduction and recycling articles in several times per year. Waste reduction program updates and additions are added to the AB 939 "PARIS" on an annual basis.

**EVALUATION (5 points)**

Annually asses waste diversion percentage decrease by two factors: 1. AB 939 Annual Report Diversion; 2. percent waste diverted from collection.

**Status:** Evaluation is 100% Complete = 5 points  
Diversion numbers are tracked in spreadsheets throughout the year based on hauler reports to the City.

Action Strategy 4: 49.5% Complete



**Total value: 100 pts**  
**Action Item Percentage Completed: 49.5%**

## **ACTION ITEM 5 – WASTE REDUCTION – REDUCE TOXICS/NON RENEWABLES ORDINANCE ADOPTION**

*Adopt a Municipal Code Ordinance that reduces the use of a disposable, toxic, or non-renewable product category by at least 50% by 2015.*

### **BASELINE DATA (20 points)**

- Compile City Facilities physical inventory to identify products, compounds, and/or chemicals used within the city, specifically those identified as non-renewable and/or toxic/hazardous.
- Compile a list of products, compounds, and/or chemicals used or purchased within the city limits identified as non-renewable and/or toxic/hazardous that pose a risk to the environment.
- Obtain and review sample local government ordinances.

**Status:** Baseline is 25% Complete = 5 points

The City obtains MSDS information on all products, chemicals and compounds used by City staff. The list includes MSDS sheets that HR has on file, but also other products considered non-renewable and/or harmful to the environment). Product list used or purchased has not been initiated.

### **ACTION STRATEGY (20 points)**

- Establish a rating scale for each chemical/product listed on the inventory list for its risk to the environment.
- Procurement Policy – Formulate a plan to substitute products identified as a risk to human health with less toxic alternatives by integrating product bans and alternatives into the City's procurement policy.
- Based on model ordinances collected and physical inventory, develop a Municipal Code Ordinance that reduces the use of a disposable, toxic, or non-renewable product category by at least fifty percent by 2015.

**Status:** Action Strategy is 0% Complete = 0 points

### **IMPLEMENTATION (50 points)**

- Establish a formal toxics/hazardous waste disposal/recycling program for city generated waste. City to relocate its present Mountain Avenue storage site to Peck Road.
- Establish an educational program to enhance awareness of toxic products, promote proper disposal of toxics, and suggest alternatives for non-renewable and both City staff and the public.
- Based on the Inventory sheets and ratings established for product categories, adopt and implement a Municipal Code Ordinance that reduces the use of a disposable, toxic, or non-renewable product category by at least fifty percent by 2015.

**Status:** Implementation is 10% Complete = 5 points

City contracts Curbside, Inc. to dispose of batteries generated by City departments; all other products are to be stored for quarterly collection at City's Mountain Avenue Hazardous waste storage site for proper disposal. Once the new storage site is established at Peck Road, formal site usage training and disposal plan will be established.

City staff promotes free LA County HHW/E-waste events and City contractor, Curbside, Inc. as a way for residents to properly dispose of toxics and conducts some toxics education.

**EVALUATION** (10 points)

Establish a mechanism to ensure employees and affected businesses are following purchasing guidelines and Ordinance and evaluate the overall reduction of hazardous/toxic chemical and non-renewable product use as a result of the policy(ies).

**Status:** Implementation is 0% Complete = 0 points.

Action Strategy 5: 10% Complete



**Total Value: 100 pts**

**Action Item Percentage Completed: 10%**

## **ACTION 6 – WASTE REDUCTION – RECYCLING AND COMPOST PROGRAMS**

*Implement “user-friendly” recycling and composting programs, with the goal of reducing by 20% per capita solid waste disposal by 2015..*

### **BASELINE DATA (10 points)**

**2006 Disposed = 47,605 tons**

(<http://www.ciwmb.ca.gov/lqcentral/drs/Reports/JurDspFa.asp?VW=JURIS>)

**Per capita Disposal = 47,605/39,147= 1.216 tons/person/year**

**GOAL: 1.216\*80% = .973 tons/person/year by 2020.**

- Residential Contracted Waste Services
  - 60 and 90 gallon trash barrels, 90 gallon recycling barrels (unlimited, by request), customer provided green waste (unlimited).
  - 2007 Contract Year Diversion
    - Single Family Residential Recycling Participation = 74.18%
    - Multi Family waste is diverted to waste to energy facility (contracted 50% diversion)
- AB939 Annual Report-
  - The City’s reported 56% diversion on its 2006 Annual Report.
  - Waste Reduction, reuse and recycling programs the City conducts are listed in the Planning Annual Report Information System (PARIS) section of each annual report.
- City Sponsored Composting program
  - Garden Composter
  - Vermicomposting
- Annual Smart Gardening Workshops
- Public Education- Reduce, Reuse, Recycle
  - Quarterly Recycling News
  - See “PARIS” for additional programs...

**Status:** Baseline is 100% complete = 10 points.

### **ACTION STRATEGY (40 points)**

- Solid Waste Service Arrangements:
  - Hire consultant to conduct independent third party analysis on solid waste services arrangements (aka. Solid Waste White Paper)
  - Review findings of Solid Waste White Paper and staff research with City Council Solid Waste sub-committee.
  - Present recommendations for solid waste service arrangements to City Council based on the sub-committee direction.
  - TBD... based on City Council direction
- New/Expanded Recycling and Composting Programs-
  - Evaluate current programs for waste diversion effectiveness
  - Research and develop new programs to increase diversion.
- Develop Recycling and Waste Reduction program for Large events and Venues.

**Status:** Action Strategy is 50% complete = 20 points.

Staff has presented research findings to the City Council through Study Session discussion. The Solid Waste White Paper was completed and presented to City Council on July 15, 2008. Staff met with the City Council sub-committee on July 28, 2008. Recycling is required as a condition for all permitted special events and filming activities. Staff is currently developing an expanded program to track recycling activities at large events.

**IMPLEMENTATION (40 points)**

- Solid Waste Service Arrangements- TBD... based on City Council direction
- Waste Management Programs-
  - Expand public education and programs offered to reduce, reuse and recycle solid wasteTBD based on City Council direction on solid waste services arrangements.
- Expand Composting programs:
  - Increase backyard composting workshops and public education opportunities
  - Implement vermicomposting at City Facilities
  - Other opportunities TBD by City Council direction on waste services arrangements.
- Expand Recycling programs:
  - Implement recycling at City Facilities
  - Expand Recycling opportunities in Old Town Enclosures
  - Increase recycling for pedestrian activities (Old Town, bus stops, city parks)
  - Implement large events and venues recycling tracking program
  - Other opportunities TBD by City Council direction on waste services arrangements.

**Status:** Implementation is 20% complete = 8 points.

Recycling at all city facilities was implemented in 2008. Recycling is required as a condition for all permitted special events and filming activities. Vermicomposting of food waste is at City Hall, Fire Station #2, and Public Works. Staff has expanded composting workshops to offer two additional vermicomposting workshops per year. Both composting bins were advertised in a Monrovia Weekly article on composting.

**EVALUATION (10 points)**

Annually measure per capita waste disposal based on the total waste disposal reported to the State on the Annual AB 939 Report.

**Status:** Evaluation is 75% Complete = 7.5 points

Action Strategy 6: 45.5% Complete



**Total Value: 100 pts**

**Action Item Percentage Completed: 45.5%**

## **ACTION ITEM 7 – URBAN DESIGN – GREEN BUILDING**

*Adopt a policy that mandates a green building rating system standard that applies to all new municipal buildings.*

### **BASELINE DATA (30 points)**

Current Policy and / or Ordinances

Community Development – will incorporate a Green Housing Development Plan to include Transit Village (commercial and residential)

Education Community Workshops

Staff Involvement in Professional Affiliations-

- PAC – Public Agency Council
- ICC / LA Basin Chapter - International Code Council

Provide Education and Commercial Development Workshops

- Resource sources:
  - Chamber of Commerce co-sponsor
  - USGBC – United States Green Build Council
  - Build It Green
  - Reviewing California Green (proposed) Building Standards Code to become effective July, 2009

**Status:** Baseline is 50% Complete = 15 points

No policy or ordinance presently in place. Staff has attended Los Angeles County workshops on Green Building and model ordinance.

Presently providing Community Workshops with more workshops planned for the both residents and businesses.

Professional affiliations provide standards and data.

### **ACTION STRATEGY (30 points)**

Research and Study

- Review of Green Housing Development Plan
- Existing Policies
  - State
  - Counties
  - Cities
- Purpose and Goals
  - City Buildings are the Guinea Pig
- Fiscal Responsibility
  - Plan fees
  - Researching most cost effective means in regards minimal square footage of municipal building improvements 5000 s.f. vs. 10,000 s.f.
- Education
  - City Workshops and Seminars
- Enforcement
- Long Range Goals
  - Private
    - Expedite plan review process
    - Waive plan check fees (Up to \$ per project)
    - Economic Development Discount Rate
    - New construction incentives
    - Energy Star Appliance incentives
    - Solar energy installation incentives
    - LEED Certification

**Status:** Action Strategy is 20% Complete = 6 points  
Incorporate Green Building Standards to the new City of Monrovia Green Building Ordinance by December 2008 and ready for adoption in Jan/Feb of 2009.

**IMPLEMENTATION (30 points)**

- Draft Green Housing Development Plan
  - Council approval
- Educate / Workshops
- Municipal Building Grant Incentives
- Utility Incentives – Private Business
- Homeowner incentives from home improvement

**Status:** Implementation is 0% Complete = 0 points

**EVALUATION (10 points)**

Establish a mechanism to annually review the green building's effectiveness to include number of green buildings, cost effectiveness....

**Status:** Evaluation is 10% Complete = 1 points  
In order to evaluate the true effectiveness of a building, a Building Operations Manual must be established after the building is final. Staff is currently writing this Manual.

Action Strategy 7: 22% Complete



**Total value: 100 points**  
**Action Item Percentage Completed: 22% complete.**

## **ACTION ITEM 8 – URBAN DESIGN– URBAN PLANNING PRINCIPLES**

*Adopt urban planning principles and practices that advance higher density, mixed use, walkable, bikeable, and disabled accessible neighborhood, which coordinate land use and the transportation with open space systems for recreation ecological restoration.*

### **BASELINE DATA (30 points)**

- General Plan - Housing Element and long-range planning is being updated.
- Trails and Bikeways Management Plan and MOU with the US Forest Service is complete.
- Wilderness Preserve Management Plan –Hillside Recreation (HR) and Hillside Wilderness Preserve (HWP) areas will be presented to Community Services Commission in September.
- Physical Inventory for Hillside Recreation (HR) Zoning: All existing hiking trails, forest roads have been identified and mapped.

**Status:** Baseline is 75% Complete = 22.5 points.

Canyon Park staff has worked with the United States Forest Service cartographer to define current access into the preserved recreation areas. Park trail maps and topographic maps are on file. Hillside Wilderness Preserve-as of September 2007, only the Lower Clamshell Motorway is identified. Trails of convenience from neighborhoods are not defined. Presented in September 2008 to Community Commission for review.

### **ACTION STRATEGY (30 points)**

- Staff to conduct cost/benefit analysis of methods and options available.
- Revise and obtain approval to include practices that advance higher density, mixed use, walking, biking, and disabled accessible neighborhood, which coordinate land use and the transportation with open space systems for recreation ecological restoration in the General Plan, Trails and Bikeway Management Plan, Wilderness Preserve Management Plan, Hillside Recreation and Hillside Wilderness Preserve areas
- Develop Management Plan – Provide directional identification in the form of signs or brochures to public access walkable and bikeable routes to Hillside Recreation and Hillside Wilderness Preserve access points. (To be determined by the results of the HR & HWP Management Plan). Will be presented to Community Service Commission in September 2008

**Status:** Action Strategy is 0% Complete = 0 points.

Explanation

### **IMPLEMENTATION (35 points)**

- Integrate into the “City Budget, Capital Improvement Projects (CIP), Grants, M&O, Regional cooperation/planning (ex. Southern California Association of Governments (SCAG), flood control)” to reflect goal achievement?
- Signage and staff recruitment for any new trail development, maintenance and patrol (if determined by the HR & HWP Management Plan) is dependent on the city’s fiscal budget and grant awards.
- The blending of the Green Accords and the HR & HWP Management Plan is still in development and is TBD.

**Status:** Implementation is 0% Complete = 0 points.

Explanation

**EVALUATION (5 points)**

Evaluation method and frequency are still in development

**Status:** Evaluation is 0% Complete = 0 points.

Explanation

Action Strategy 8: 22.5% Complete



**Total value: 100 pts**

**Action Item Percentage Completed: 22.5%**

## **ACTION ITEM 9 – URBAN DESIGN – ENVIRONMENTALLY BENEFICIAL JOBS**

*Adopt a policy or implement a program that creates environmentally beneficial jobs throughout the community.*

### **BASELINE DATA (20 points)**

Current inventory of related city positions, including volunteers recruitment procedure in place:

- Youth Employment Services (Y.E.S.) Program
- Volunteer job opportunities
- Monrovia Area Partnership (M.A.P.) Program
- Job Fairs
- Cert Program

Community / Private / Benefits – Already in Place

- Transportation Availability (bikeways, bus routes, gold line, pedestrian walkways etc.,
- Provide access to job openings
- City providing programs and services help businesses get green (curbside, cert, composting opportunities, etc.)

On-line Job Recruitment Offered

- Advertisement
- Application not auto fill
- Email
- Intranet and Internet
- MOU's & Benefit Docs

Definition of Environmentally Beneficial Jobs – Defined as paid and/or non-paid, that give back to their community in the form sustainability through a needed service.

**Status:** Baseline is 100% Complete = 20 points

The City of Monrovia is a community-oriented organization that strives to implement meaningful programs that give back to the community. Examples are listed within the physical inventory information.

The Monrovia Area Partnership (MAP) implemented in 2007, educates the community about their City and services it provides.

Recruitment efforts have increased two-fold with the utilization of the internet and the use of environmentally friendly recruitment tools.

### **ACTION STRATEGY (25 points)**

Develop programs that promote job and volunteer opportunities for both City staff and the public that are environmentally beneficial to the community due to the participation and interest of local city youth and residents.

- Merge volunteers with City staff in serving the community by performing work duties from various City departments. Offer opportunities to match a potential applicant's job experience and interests with available City programs and local businesses.
- Encourage at-risk youth to participate in City programs by providing alternative opportunities to unlawful activities that affect the community.
- Review of current job descriptions to include updated language and tasks that promotes environmental stewardship.
- Review and analysis of work schedules
- Green Business Incentives
  - Programs or incentives to encourage Green Businesses to Monrovia
    - Water conservation
    - zero waste
    - City reduction of fees charged as an incentive

- Live, work and play program?
  - Incentives / Education
- Expand resources to assist the public with employment or job search opportunities
  - Classes or seminar?

**Status:** Action Strategy is 20% Complete = 5 points

The City is proactive in its support of volunteer programs and opportunities. The key is that they are treated with the same importance as our paid employees.

The YES program geared for At-Risk Youth has had great success in assisting youth gain knowledge in real life work experiences and professional development.

Green Build Incentives are presently being researched and no action strategy has been determined at this time.

### **IMPLEMENTATION (25 points)**

Continual commitment and promotion of existing programs with the participation of Human Resources staff at community events and job fairs such as the Y.E.S. Program and M.A.P. Program. Additionally, HR Staff will continue to explore other programs and opportunities to promote and create positions within the City that are environmentally beneficial. Use of electronic means of communication will be at the forefront of our priorities and commitment to create opportunities and provide access to information about jobs available, general communications and access to services that the Human Resources Department provides.

#### Master Plan Implementation

- Youth Employment Services (YES) Program
- CERT Volunteer Program
- Literacy Services Volunteer Program
- Monrovia Area Partnership (MAP) Program
- On-line Application System
- Create a Web Page that includes links to jobs available in the surrounding community.

**Status:** Implementation is 90% Complete = 22.5 points

Programs have already been implemented with success. Monrovia will seek enhancing its electronic automation by creating a paperless environment. Human Resources will take the lead to reach out to the Community by enhancing the job search skills to the residents.

### **EVALUATION (30 points)**

Objective is to establish career aids to the community which inform, educate, and encourage the public to participate in job assistance and volunteering opportunities that may further as well as benefit their careers. Program evaluations will consist of:

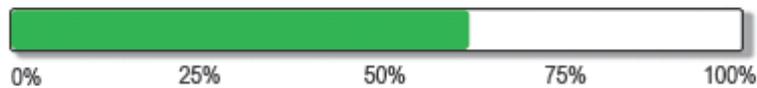
- Tracking and follow-up activities with the Y.E.S. program participants as well as the continuation of promoting the program with the local high school.
- Survey public interest in career and volunteer opportunities at each M.A.P. event and other community events.
- Partner with local agencies including EDD and Community colleges within the San Gabriel Valley to promote both job and volunteer opportunities.
- Explore the possibility of organizing a community job board with local businesses in an effort to encourage growth within the business community by:
  - Assisting residents looking for employment opportunities in the City.
  - Aid local employers by posting job openings in their companies.
  - Allowing prospective applicants to view positions on the City's website
  - Maintaining a job opportunities database.

**Status:** Evaluation is 50% Complete = 15 points

Tracking/follow up: YES Program Steering Committee has been established. Members include Council members, School District, Community Officials and City Staff. Committee will gauge the successes and recommend areas where the program where it can be enhanced.

Surveying public interest is being done at each monthly MAP event. The information collected provides staff with the information it needs to address the needs, programs and services for the community.

Action Strategy 9: 62.5% Complete



**Total value: 100 pts**

**Action Item Percentage Completed: 62.5%**

## **ACTION ITEM 10 – URBAN NATURE - PARKS**

*Ensure that there are an accessible public parks, trails or recreational open space within half-a-mile of every city resident by 2015.*

### **BASELINE DATA (30 points)**

There are 7 City Parks totaling 60 developed acres. Those parks are:

- Canyon Park
- Library
- Recreation
- Grand Avenue
- Olive Avenue
- Julian Fisher
- Rotary

A Hillside Recreation and Hillside Wilderness Preserve Management Plan is presently a work in progress for the approximate 1100 acres. A trail network within this area includes:

- Ben Overturff Trail
- Bill Cull Trail
- Water Fall Trail

In order to preserve and maintain these trail areas, the City has developed a Trails and Bikeway Management Plan and a Memorandum of Understanding with the United States Forest Service to maintain these trails and bikeways.

To improve access to these areas, the City has an Agreement with the Los Angeles County Flood Control District for the recreation trail use along the Sawpit Wash for access to the Ben Overturff Trail.

For access to Open Space areas, the City has a Joint Use Agreement in place with the Monrovia Unified School District.

The Open Space and Recreation Element of the City General Plan was completed in 1966. The land use element was amended in 2000 with the creation of the Hillside Recreation and Hillside Wilderness Preserve.

**Status:** Baseline 90% Complete = 27 points

Hillside Recreation and Hillside Wilderness Preserve Management Plan is going through the review process-. Presentations of the plan to City Council is anticipated in fiscal year 08-09.

### **ACTION STRATEGY (30 points)**

Identify potential new public parks, trails or recreational open space sites. Take into consideration joint agreements with Los Angeles County in-holding, school district properties, acquisitions funded by future development revenues, and grants. The potential sites would be reconciled with the City's General Plan. The Hillside Recreation and Hillside Wilderness Preserve Management Plan provides recommendations for future possible projects could include:

- Expand of Joint Use Agreement with Los Angeles County to include public access for a possible walking/bicycle trail along the Santa Anita Wash.
- A new City Park, south of the 210 Freeway.
- Review funding opportunities to implement new park or park improvement projects.
- Expand Joint Use Agreement with the Monrovia Unified School District for additional public recreation opportunities.
- Hillside Recreation and Hillside Wilderness Preserve Land Expansion
- Access to the Hillside Recreation and Hillside Wilderness Preserve
- Look at expanding open space opportunities to unincorporated areas
- Review the Open Space and Recreation Element to update the General Plan.

**Status:** Action Strategy is 10% Complete = 3 Points

Hillside Recreation and Hillside Wilderness Preserve Management Plan is complete and being reviewed. A new city park is identified in the new Transit Village Project. The remaining recommendations need further review before any implementation can take place.

**IMPLEMENTATION (30 points)**

Expansion of existing Park sites or new park sites to meet the criteria of the Action 10 is dependent upon procuring funds through the City budget's Capital Improvement Projects, county, state or federal grants. Staff will look at building a revenue base through development such as the State's Quimby Act. This action may require amending the Open Space and Recreation Element to the General Plan.

Implement the Hillside Recreation and Hillside Wilderness Preserve Management Plan once approved by City Council, as budgeting and staffing permits.

Open discussions with Los Angeles County to explore open space opportunities to meet the distance requirement of recreation facilities within ½ mile of residents.

**Status:** Implementation is 0% Complete = 0 points.

Activity has been limited until open space element has been updated and the Hillside Recreation and Wilderness Preserve Management Plan is approved.

**EVALUATION (10 points)**

The evaluation criteria for compliance for Action 10, is to have accessible public parks, trails or recreational open space within half-a-mile of every city resident by 2015 will be measured by population demographics matched to currently available properties or open space. Currently, the existing public parks and open space areas from the Monrovia Unified School District are identified. Dependent of staff availability a reassessment will be conducted every two years.

**Status:** Implementation is 60% Complete = 6 points.

Tools are in place to measure the compliance of the evaluation process.

Action Strategy 10: 36% Complete



**Total value: 100 pts**

**Action Item Percentage Completed: 36%**

## **ACTION ITEM 11 - URBAN NATURE – HABITAT RESTORATION**

*Conduct an inventory of existing canopy coverage in the City; and , then establish a goal based on ecological and community considerations to plant and maintain canopy coverage in not less than 50% of all available sidewalk planting sites.*

### **BASELINE DATA (30 points)**

The City obtained the services of ArborPro in 2006 to provide a street tree inventory software and has identified over 8000 planted street trees within the City and 2000 street tree planting sites. Making our goal 1000 new trees by 2015.

**Status:** Baseline is 100% Complete = 30 points

Baseline information was completed and inputted into the Arbor Pro Tree Maintenance software program in 2006.

### **ACTION STRATEGY (10 points)**

Future tree planting sites are to consider species least evasive to future maintenance problems and provide a diverse urban canopy throughout the community. Staff to finance tree planting opportunities through grants and volunteer projects in order to minimize budget impacts.

**Status:** Action Strategy is 100% Complete = 10 points

The City staff now considers arborist standards and recommendations for street tree selections based on parkway size and overhead utility issues. Grants and volunteer opportunities will always be a priority in completing the Action Strategy.

### **IMPLEMENTATION (50 points)**

- Budget – Project tree planting projects will be dependent on the City's fiscal budget and our ability to obtain grant awards.
- Plant 1000 new street trees by 2015. To meet the goal we will need to average 111 street trees planted annually.

**Status:** Implementation is 13% Complete = 6.5 points

Fiscal year 2007-08 began with over 100 street trees planted by volunteers and the funding for the street trees from a grant.

### **EVALUATION (10 points)**

Annually review the number of new street trees planted. Success will depend on the tree's survival and ability to maintain the tree within the annual budget appropriation.

**Status:** Evaluation is 100% Complete = 10 points

162 new street trees were planted in 2007-08. Staff exceeded its goal by 145% and met its overall 1000 street tree planting goal.

Action Strategy 11: 56.6% Complete



**Total Value: 100 Points**

**Action Item Percentage Completed: 56.5%**

## **ACTION ITEM 12 – URBAN NATURE - WILDLIFE**

*Adopt a Municipal Code Ordinance in compliance with local, state and federal laws and regulations, which protects critical habitat corridors and other key habitat characteristics (e.g. water features, and shelter for wildlife and use of the native species, etc.) from unsustainable development.*

### **BASELINE DATA (30 points)**

Wildlife/species inventory for critical habitat corridors has been identified within the Hillside Recreation and Hillside Wilderness Preserve Management Plan.

Hillside Recreation (HR) Zoning (Hillside Recreation and Hillside Wilderness Preserve Management Plan) - Displays all existing hiking trails, forest roads are identified and mapped and on file. Canyon Park has worked with the United States Forest Service cartographer to define current access.

Hillside Wilderness Preserve (HWP) Zoning (Hillside Recreation and Hillside Wilderness Preserve Management Plan): All existing hiking trails, county roads are identified and mapped. Environmental access points are being proposed within the Hillside Recreation and Hillside Wilderness Preserve Management Plan.

Municipal Code Ordinance – City Ordinances exist to protect critical habitat corridors and other key characteristics from unsustainable development. Ordinances passed in 2001 setting aside the Hillside Recreation and Hillside Wilderness Preserve from Measures A & B.

City complies under the California Department of Fish & Game umbrella and the Clean Water act.

**Status:** Baseline is 90% Complete = 27 points

Management Plans are nearly completed for review and approval process. Wildlife corridors are identified; City Ordinances already in place and the State and Federal regulations are enacted.

### **ACTION STRATEGY (30 points)**

Comply with the Hillside Recreation (HR) and Hillside Wilderness Preserve (HWP) Management Plan. Community Services will implement the Management Plan for the HR & HWP areas after the projected City Council consideration for approval scheduled in Fall 2008.

Comply with stormwater run-off ordinance as to reflect new National Pollutant Discharge Elimination Program (NPDES) permits.

Monitor to ensure compliance with local, state and federal laws and regulations. Continue to evaluate applicable local, state and federal laws and regulations that protect critical habitat corridors and other key habitat characteristics (i.e. General Plan, Endangered Species Act, Basin Planning, CEQA). Evaluate existing Stormwater/ runoff/ creek bed and habitat protection, determine revisions, if needed.

**Status:** Action Strategy is 50% Complete = 15 points

Hillside Recreation and Hillside Wilderness Preserve Management Plan is nearly complete. Staff will seek City Council's directives to implement the Hillside Recreation and Hillside Wilderness Preserve Management Plan. Continue to monitor corridors and habitats to ensure areas are protected.

### **IMPLEMENTATION (30 points)**

Implement the Hillside Recreation and Hillside Wilderness Preserve Management Plan once approval is finalized funding is established. Work to include ordinance compliance, habitat restoration, signage, public education, outreach, maintenance and patrolling is dependent on the City Council's approval and the City's fiscal budget and the procurement of grants.

Regardless of the status of the Management Plan, staff is monitoring the habitat and corridors to ensure proper protection.

**Status:** Implementation is 40% Complete = 12 points

The Hillside Recreation and Hillside Wilderness Preserve Management Plan shall be presented for Community Services Commission and City Council approval in the Fall of 2008

**EVALUATION** (10 points)

Ongoing monitoring for wildlife/species for critical habitat corridors will be in accordance with the details called out in the Hillside Recreation and Hillside Wilderness Preserve Management Plan.

**Status:** Evaluation is 20% Complete = 2 points.

Monitoring data collection continues; evaluation process has not started. Once the Management Plan is complete and enacted, we will revisit annually.

Action Strategy 12: 56% Complete



**Total value: 100 points**

**Action Item Percentage Completed: 56%**

## **ACTION ITEM 13 – TRANSPORTATION – PUBLIC TRANSPORTATION**

*Develop and implement a policy which expands affordable public transportation to within quarter-mile of all city residents within 10 years.*

### **BASELINE DATA (75 points)**

- Presently offering curb to curb service to all residents and visitors of Monrovia on Monrovia Transit Dial-a-ride. Service is available 94 hours weekly. Fares are \$1 for general public and \$0.75 for seniors and people with disabilities.
- Monrovia Transit provides direct connection points with Metro Buses, Foothill Transit, Arcadia Transit and Duarte Transit. Connection to Foothill and Metro give residents access to the regional bus and rail system.

**Status:** Baseline is 100% Complete = 75 points

This program qualifies completion of Action item 13. The goal is now is to improve and enhance the growth of Public Transportation.

### **ACTION STRATEGY (10 points)**

- Community Development is currently preparing Transportation Services Master Plan. The plan will include the evaluation of the current inventory of services offered, explore deficiencies, and incorporate the long range goal to connect the future Metro Gold Line light rail. In addition the review will look at the continuation of the Trolley Service and provide compliance to County (Metro) Programs.
- Review and implement fiscal responsibility using Prop A and C Funds for the program's Operations and Capital.

**Status:** Action Strategy 90% Complete = 9 points

A first draft is expected to complete the Transportation Services Master Plan in Fall 2008 and presented to City Council.

### **IMPLEMENTATION (10 points)**

- Present Master Plan to City Council, obtain feedback, make recommendations and set priorities for future growth. Implement improvements through programs and capital projects as directed.

**Status:** Implementation is 0% complete = 0 points.

Projects and Programs will not begin until after the Master Plan is approved by the City Council.

### **EVALUATION (5 points)**

- Provide an annual on-going Customer Service and Rider Satisfaction Survey. Obtain data from various age groups (youth to senior citizens). Conduct surveys, using on-line, mail and phone as resources.
- Evaluate cost effectiveness, infrastructure and routes.
- Present methods used to evaluate and programs initiated that confirms the accomplishment of the Action Item.

**Status:** Evaluation is 50% Complete = 2.5 points

Annual review is only 50% complete.

Action Strategy 13: 86.5% Complete



**Total Point Value: 100 pts**

**Action Item Percentage Completed: \*86.5%**

**Action 13 is considered complete, but Master Plan, Implementation and Evaluation Elements allows for growth.**

## **ACTION ITEM 14 – TRANSPORTATION – CLEAN VEHICLES**

*Implement projects that phase down sulfur emissions in diesel and gasoline fuels by 50% concurrent with using advanced emission controls on all buses, taxis, and public fleets to reduce particulate matter and smog-forming emissions from those fleets by 50% by 2015.*

### **BASELINE DATA (30 points)**

#### **Physical Inventory (In-house)**

Physical inventory of all City owned vehicles for all departments including Public Works, Fire, Police, CDD & Monrovia Transit was completed in Intergy's Energy Action Report

#### **Fuel Types**

- Gasoline
- Diesel
- Alternative

#### **Current Emissions Regulations**

California's Fleet Rule for Public Agencies and Utilities, Title 13, California Code of Regulations became effective 5 January, 2007. The regulation requires the use of the best available control technology (BACT) for reduction of particulate matter emissions from on-road heavy duty diesel fueled vehicles owned or operated by a municipality or utility.

AB 32 emissions data, Air Resources Board (ARB) and Air Quality Management District (AQMD). Complete data will be available before end of 2008 calendar year.

**Status:** Baseline is 90% Complete = 27 points

Intergy Corporation completed a City vehicle inventory in FY 2007-08. Staff is aware of the AQMD mandates and its heavy duty vehicles baseline is 100% complete.

### **ACTION STRATEGY (25 points)**

#### **Alternative Fuels**

Research alternative fuels/ fuel station availability and conduct cost/benefit analysis. Partner with AQMD for information on alternative fuel information and options.

#### **New Vehicle Purchase Policy**

Develop an administrative policy that calls for the purchase and use of vehicles that produce lower emissions, higher gas mileage, have lower maintenance requirements, and provide a sufficient level of functionality for the use intended.

**Status:** Action Strategy 50% Complete = 12.5 points

A draft vehicle purchasing policy is being reviewed and studied by Police, Fire, Community Development and Public Works Departments.

### **IMPLEMENTATION (25 points)**

#### **New Vehicle Purchase Policy**

Obtain Council approval for an administrative policy that calls for the purchase and use of vehicles that produce lower emissions, higher gas mileage, have lower maintenance requirements, and provide a sufficient level of functionality for the use intended.

**Apply for Grants-** Apply for and participate in presently available savings incentive and offset programs for fleet upgrades from Federal and State programs.

**Status:** Implementation is 50% Complete = 12.5 points

City departments will participate in a San Gabriel Valley Council Of Governments workshop presented by AQMD on July 31, 2008 to help in the final strategy.

**EVALUATION** (10 points)

- Attend training seminars given by the Air Resources Board (ARB) for compliance requirements
- Research and determine what is the BACT for current City-owned vehicles under the rule
- Purchase and install the BACT for City-owned vehicles

**Status:** Evaluation is 50% Complete = 5 points  
Staff continues to attend workshops and research its options and insure low emission policy will be in compliance with AB32.

Action Strategy 14: 57% Complete



**Total value: 100 points**  
**Action Item Percentage Completed: 57%**

## **ACTION ITEM 15 – TRANSPORTATION – SINGLE COMMUTER REDUCTION**

*Implement a policy to reduce the percentage of commute trips by single occupancy vehicles by 10% by 2015.*

### **BASELINE DATA (25 points)**

Community Development Department assigned data collection.

#### Programs Offered

- City Employee Incentives:
- Time Off Coupons
- Bonus Raffles

#### Police Department

- Prisoner Court Transportation Carpooling- In an effort to reduce the number of trips and personnel by 30%, the Monrovia and Arcadia Police departments have arranged to combine resources by vanpooling prisoners and personnel to court each weekday.
- Police Officers Carpool for Court Appearances - In an effort to reduce the number of commute trips by single occupant vehicles, personnel are encouraged to use a Department vehicle to carpool officers to court.
- Multi-tasking and Carpooling Personnel for Trips to Court - Police officers and detectives are encouraged to carpool to court. Police officers and Detectives are assigned to multi-task by escorting the prisoner van to the courthouse.

#### Public Works

- Carpool to meetings / conferences
- Metro Gold Line to meetings in Los Angeles

#### Federal, State and County Mandates:

- City has a 2 year work plan with the Air Quality Management District
- Ridership Surveys (Foothill, Metro, etc)

#### Data Collection Available

- State
- County - Average Vehicle Ridership (AVR) 1.1
- City
  - AVR 1.6
  - 30% Employees Rideshare
  - General Plan – Transportation Element
  - Bikeway Management Study
  - Alternative Work Schedules
  - Telecommuting Policy
  - Future – Metro Goldline

**Status:** Baseline is 100% complete = 25 points

Present inventory is complete. Metro is the only item ongoing.

### **ACTION STRATEGY (25 points)**

- General Plan is being updated (transportation element)
- Minimum Goal to achieve; .016 increase in annual rider-ship
- New Programs to consider (BRAINSTORM)
  - Ten Toes Campaign (Walking vs. Driving) at meetings and lunch times
  - Bike loaner program for City employees
  - Consider locker and shower facilities
  - Education and coordination for car pooling
  - Develop accountability methodology for carpooling, bicycling or walking to meetings

New Incentives (Research)

- New Awards
- Competitions
- More casual work attire opportunities
- Gas Coupons
- Increased Opportunities for telecommuting at home

Multi-Tasking- Complete several tasks on one trip

**Status:** Action Strategy is 20% complete = 5 points

Incorporate new programs in special projects matrix

General Plan Update and recommendations to wellness committee to incorporate a possible Ten-Toes Campaign.

New Programs:

- Create a marketing campaign for single rider-ship, highlighting the benefits and incentives of carpooling.

**IMPLEMENTATION (30 points)**

Primary Department for responsibility is Community Development (CD) and/or Wellness Committee which provides an easy transition since work is being done through CD now.

Increase Education and initiate funding for potential new programs

- Bikes
- Bike Lockers
- Consider shower facility access
- Pay for incentives
- Follow up with new employees on their rider-ship status after their general orientation to assist with a carpool match and/or offer guidance on other alternative transportation methods

Use updated data from the General Plan's Transportation Study

**Status:** Implementation is 10% Complete = 3 points

Special Projects to include programs to encourage single commute reduction.

**EVALUATION**

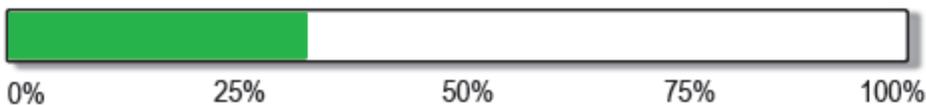
Annual statistical review – create formula on how to achieve a minimum improvement of 10% bottom line or 0.16 increase by 2015.

Create a survey or spreadsheet formula to track at work activities vs. County AVR process

**Status:** Evaluation is 0% Complete = 0 points

A survey similar to the AVR survey used by Los Angeles County will be conducted annually.

Action Strategy 15: 33% Complete



**Total Value: 100 points**

**Action Item Percentage Completed: 33%**

## **ACTION ITEM 16 – ENVIRONMENTAL HEALTH – TOXICS REDUCTION STRATEGY**

*Annually, identify one product, chemical, or compound that is used within the city (with a focus on specific areas used by children and youth) that represents a risk to human health and reduce or eliminate its use by the municipal government.*

### **BASELINE DATA (20 points)**

**Physical Inventory** – Compile a physical inventory to identify products, compounds, and/or chemicals used within the city, specifically in areas frequented by children and youth, that represents a risk to human health.

**Status:** Baseline is 25% Complete = 5 points

The City obtains MSDS information on all products, chemicals and compounds used by City staff. The list will include MSDS sheets that HR has on file, but also other products less traditionally thought of as harmful).

### **ACTION STRATEGY (25 points)**

**Rating Scale** – Establish a rating scale for each chemical/product listed on the inventory list for its risk to human health and the environment.

**Procurement Policy** – Formulate a plan to substitute products identified as a risk to human health with less toxic alternatives by integrating product bans and alternatives into the City's procurement policy.

**Status:** Action Strategy is 0% Complete = 0 points

### **IMPLEMENTATION (40 points)**

**Toxics Disposal/Recycling Program** – Establish a formal toxics/hazardous waste disposal/recycling program for city generated waste.

**Toxics Education Program** – Establish an educational program to enhance awareness of toxic products, promote proper disposal of toxics, and suggest alternatives for both City staff and the public.

**Status:** Implementation is 30% Complete = 12 points

Currently, City staff contacts Curbside, Inc. to dispose of batteries generated by City departments; all other products are to be stored at City's Hazardous waste storage site for proper disposal. Once the new storage site is established, formal site usage training and disposal plan will be established. City staff promotes free LA County HHW/E-waste events and City contractor, Curbside, Inc. as a way for residents to properly dispose of toxics and conducts some toxics education.

**EVALUATION**

Establish a mechanism to ensure employees are following hazardous alternatives purchasing guidelines established in the purchasing policy and evaluate the overall reduction in exposure to hazardous/toxic chemicals in result of the policy.

**Status:** Evaluation is 0% Complete = 0 points

**Total Value: 100 pts**

Action Strategy 16: 17% Complete



**Action Item Percentage Completed: 17%**

## **ACTION ITEM 17 – ENVIRONMENTAL HEALTH – PROMOTE WELLNESS AND FITNESS**

*Promote wellness and fitness when planning or redesigning city facilities.*

### **BASELINE DATE (15 points)**

Current inventory of wellness programs and activities offered to employees:

- Wellness Activities/Functions
  - Weight Watchers
  - Flu Shots
  - Canyon Park Hikes
  - Wellness Workshops
- Fitness Evaluations
  - Health Fair
  - Ultrasound Body Scanning @ Reduced Rates
- Gym Memberships/Workout Facilities
  - Free YMCA Membership for Employees
  - Reduced Membership Rate @ 24 Hour Fitness Center

**Status:** Baseline is 100% Complete = 15 Points.

Baseline data is complete focused in three areas. Activities, Fitness Evaluations and Gym Workout Opportunities.

### **ACTION STRATEGY (25 points)**

Combine existing programs with new opportunities that will encourage employees to participate in activities that result in long sustaining healthy lifestyle changes. The activities and programs offered will provide lifelong learning in the area of wellness and lead to healthier lifestyles. The objective is to invest in preventive measures with behavioral, policy and environmental interventions in an effort to cut health care costs and limit productivity losses due to illness. By adopting a healthy lifestyle, employees can reduce reliance on medical services needed to treat conditions that can be controlled through proper diet, exercise, behavioral well being, and cessation of smoking habits, thus reducing the City's insurance renewal rates over the long term and tying reduce rates to incentives for employees. Risk management to study if wellness programs result in fewer work related injuries and higher productivity. Future City Building Rehabilitation and New Facilities will consider the wellness needs of City Employees to promote healthier life styles. Facility Design to consider work out rooms and/or shower locker room facilities.

**Status:** Action Strategy is 75% Complete = 19 Points.

Currently reviewing incentives for employees who participate in city sponsored wellness programs. Working with insurance carriers to provide new incentives to employees. Encourage facility rehab projects and new structures consider the wellness being of City Staff.

### **IMPLEMENTATION (25 points)**

Begin to implement new programs from surveys taken in the Action Strategy Plan. Continue to utilize successful and popular programs being offered. Utilize services offered by our insurance companies at no charge and partner with area organizations, such as the YMCA and Huntington Memorial Hospital, to provide meaningful programs, activities, and services to employees. Initiate new incentives provided by health insurance carriers through the Action Strategy process. Provide new incentives employees with monetary incentives to maintain wellness. Apply for grants through ICRMA, the City's JPA for excess worker's comp and liability insurance

**Status:** Implementation is 40% Complete = 10 points.

Currently providing successful programs in Wellness Activities, Fitness Evaluations and Gym Memberships at workout facilities near work and home. Action Strategy has not begun new program development or employee surveys.

**EVALUATION (35 points)**

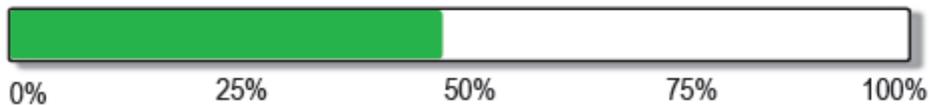
The Wellness Program is designed to promote good health behaviors. The major objective will be to help employees remain well by implementing behavioral, policy, and environmental interventions with a focus on preventing obesity, poor diet, lack of physical activity, and smoking. The program encourages employees to exercise more to reduce the risk of certain types of cancer, heart disease, and a host of other serious illnesses. Some of the ways in which the City will achieve these goals will be to review in the following manner:

- Annually review any new project with employee surveys using the results to further their wants and needs.
- Review the Safety/Wellness budget and conduct research on the costs of implementing a revised wellness program.
- Review ways to directly link employee participation in this program to insurance premium reductions and other incentives.

**Status:** Evaluation is 10% Complete = 3.5 Points.

Limited evaluation methods being conducted on existing programs.

Action Strategy 17: 47.5% Complete



**Total value: 100 points**

**Action Item Percentage Completed: 47.5%**

## **ACTION ITEM 18 – WATER – REDUCE PER CAPITA WATER DEMAND**

*Adopt and implement policies to reduce per capita water demand by 10% by 2015 and 35% by 2035.*

### **BASELINE DATA (20 points)**

- Physical Inventory of water production/infrastructure 2006
  - Facilities, Boosters, Well Sites & Reservoirs
  - Potable water production for 2006-07 fiscal Year was 8058.90 acre feet
- Water Master Plan 2008
  - Describes existing system and mitigate deficiencies
  - Identifies growth
  - Future Water Supply for new developments
- City Ordinances / MMC
  - Urban Water Management Plan 2005
    - How to manage water system with City / Population
    - Four Stages – Based on Water Demand
- Utilities has data
  - 3 year (2008 calendar year)
  - Based on highest one year
- Programs and / or incentives
  - Use less water pay less money☺
- Upper San Gabriel Valley Water District
  - Wholesaler for MWD
  - High efficiency toilets
  - Low flow washers
- Main San Gabriel Watermaster Plan
  - Determine how much water can be drawn. The penalty for drawing too much is pay more money

**Status:** Baseline is 100% Complete = 20 points

### **ACTION STRATEGIES (30 points)**

Programs:

Goal to lessen by 10% is equal to 805.8 acre feet.

- Low Impact Development Program – Staff to ensure that all future development utilizes various methods to decrease the impacts of water runoff through vegetation and other mechanisms to keep water on-site per Los Angeles County Stormwater Permit. Also, implement water savings devices used in these development and drought tolerance landscaping.
- Cal Sense Irrigation – Staff to install a Cal Sense irrigation system at Grand Avenue Park and connect Huntington Drive median with Cypress and Myrtle Avenue medians. Water Division will explore the savings to assist in the funding of this cost as city parks are one of the top ten water users in the city.
- New Ordinances – Research and Review
- Commercial Development Standards Coordinate with Community Development to incorporate water savings in new developments and redevelopment to reach at least 30% from traditional implementation and/or original property demand. (Green Build Ordinance)
- Metropolitan Water District (MWD) Conservation Grants – Staff to explore the availability of MWD conservation grants and apply for said grants.
- Use Water Wisely Campaign- Newsletters, Banners, Water bills, Audits, Water on Demand (restaurants)

**Status:** Action Strategies is 50% Complete = 15 points  
Programs being proposed are currently part of the Monrovia Environmental Accords Special Projects.

**IMPLEMENTATION**

- FY 2008-09 - Calsense Irrigation Controller System installations to begin at Grand Avenue Park and Huntington Drive
- FY 2008-09 Use Water Wisely Campaign begins
- Low Impact Development (LID) on-going

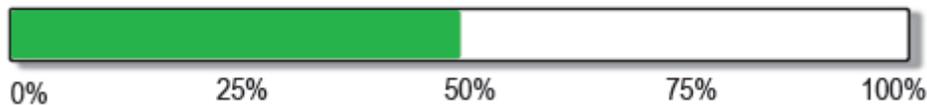
**Status:** Implementation is 50% Complete = 15 points  
Programs are to be completed by the end of FY 2008-09

**EVALUATION (20 points)**

Evaluate annual if water demand has been reduced based on 2006-07 fiscal year water production of 8058.90 acre feet. The goal being a 10 percent reduction by 2015 and 35 percent reduction by 2035.

**Status:** Evaluation is 0% Complete = 0 points

Action Strategy 18: 50% Complete



**Total Value: 100 pts**  
**Action Item Percentage Completed: 50%**

## **ACTION ITEM 19 – WATER – PROTECT DRINKING WATER**

*Protect the ecological integrity of the city's primary drinking water sources (i.e., water ways and associated ecosystems).*

### **BASELINE DATA (40 points)**

City Physical Inventory of water production/infrastructure 2006

- Facilities, Boosters, Well Sites & Reservoirs

Water Master Plan 2008

- Describes existing system and mitigate deficiencies
- Identifies growth
- Future Water Supply for new developments

City Ordinances / Monrovia Municipal Code (MMC)

- Stormwater Ordinance -MS4 NPDES Permit
- Urban Water Management Plan 2005
  - How to manage water system with City / Population
  - Four Stages – Based on Water Demand

Utilities has data

- 3 year (2008 calendar year)
- Based on highest one year
- On going water quality monitoring
- On going water treatment
- Volatile Organic Compounds (VOC's)
  - Nitrate Blending

Programs and / or incentives

- Use less water pay less money
- Used Oil Recycling Program
- Household Hazardous Waste Collection Programs

Upper San Gabriel Valley Water District

- Wholesaler for Metropolitan Water District (MWD)
- High efficiency toilets
- Low flow washers

Water Master

- Main San Gabriel Watermaster Plan
  - Determine how much water can be drawn. The penalty for drawing too much is pay more money
- San Gabriel River Watermaster Plan
  - Hydrology Reports
  - Groundwater Monitoring Reports

**Status:** Baseline is 90% Complete = 36 points.

Baseline inventory is complete. The General Plan is currently being reviewed and updated.

Hillside Recreation and Wilderness preserve Master Plan is scheduled for Council review in the Fall of 2008.

### **ACTION STRATEGY (20 points)**

Take a proactive role and participate actively with Water Master and related agencies for Best Management Practices (BMP).

Enhancement of Current Education Programs for Outreach

- Used Oil Recycling Education
- Hazardous Waste and County Round up Programs

- Continue to research and implement new programs.

Continue Participation in LA County Regional Stormwater Programs

- EAC (Executive Advisory Committee)
- Public Education Group
- Watershed Management Group

Waste Discharge Requirement

- Potable Water / Solutions
- Research different and cost effective opportunities for recycled water.

Financial Planning

- Research funding opportunities.
- Secondary Contaminates List Monitoring Program – Staff will monitor and track newly listed contaminants. A reserve fund for future contaminants treatment will be explored.

**Status:** Action Strategy is 40% complete = 8 points.

Research opportunities to implement new programs and seek new funding opportunities to help offset the costs for new programs.

**IMPLEMENTATION (20 points)**

Programs:

- Monthly Nitrates Monitoring/Treatment – Staff will monitor, track, and develop a treatment process for nitrates. If nitrate levels are too high, treatment plan to be enacted. Two new towers were installed at VOC processing plant in 2006 (able to treat a total of 4,000 gallon/minute or 5.7 million gallons daily). City is a member of the San Gabriel Water master program, which test water quality, and tracks plumes.
- Expand Household Hazardous Waste collection options.
- Continue practices within action strategies
- Seek funding
- Review and update Monrovia Municipal Code
- Inspection and enforcement

**Status:** Implementation is 20% Complete = 4 points

Currently monitoring to for potential nitrates treatment facility.

**EVALUATION (20 points)**

Ensure local, state and federal regulations are met by providing monthly and annual reports to state and inspection 3-5 years of infrastructure meets State Approval.

**Status:** Evaluation is 80% Complete = 16 Points

Conduct annual review of new and existing programs. Create criteria to monitor programs successes and failures. Currently provide monthly and annual report.

Action Strategy 19: 64% Complete



**Total Value: 100 pts**

**Action Item Percentage Completed: 64%**

## **ACTION ITEM 20 – WATER— REDUCE UNTREATED WASTEWATER DISCHARGES**

*Adopt municipal wastewater management guidelines and reduce the volume of untreated wastewater discharges by 10% by 2015.*

### **BASELINE DATA (30 points)**

In 2007 there were 953 gallons in sewer system overflows; 843 gallons was recovered for a net of 110 gallons.

Current Programs:

- Fats Oil And Grease (FOG) Program
- National Pollutant Discharge Elimination System (NPDES)
- State, Federal And Local Codes And Ordinances
- WDR (Waste Discharge Requirements) for Sewer System Overflows (SSO)
- Enforcement
- Measurement tools created in 2007 Monrovia Environmental Accords Baseline Year
- Utility Operations Division
  - Preventative Maintenance
  - See SSMP (sewer system management plan) paste sections
  - Equip & Supplies

*\*Wastewater Definition – Sewer System Overflow*

**Status:** Baseline is 100% Complete = 30 points.

The physical inventory of data includes programs and discharge records for the 2007 baseline year.

### **ACTION STRATEGY (25 points)**

Reduce untreated wastewater discharges by 95.39 gallons and reduce the amount going into our storm drains by 11 gallons. To meet this goal, staff will do the following:

- Continue with NPDES implementation & Enforcement
- Sanitary Sewer Management Plan (SSMP) Development Plan and Schedule
- Sanitary Sewer Management Plan (SSMP)

**Status:** Action Strategy is 25% Complete = 7.5 points

WDR & SSMP Development has 11 tasks assigned, 3 are complete.

### **IMPLEMENTATION (25 points)**

- SSMP Implementation (Review and Update every 5 years)
- Increase National Pollution Discharge Elimination System (NPDES) Enforcement and Public Education Outreach – Increase public education and outreach efforts of Stormwater campaign.

**Status:** Implementation is 25% Complete = 7.5 points

Staff is currently developing the SSMP Report to be presented to City Council in August 2009.

Staff educates responsible parties of illicit discharges about the proper clean up procedures.

Staff is also working on creating a chlorinated pool water discharges best management practices brochure

**EVALUATION (10 points)**

Evaluate annually to determine if untreated waste water is being reduced to meet ten percent by 2015. (to be measured in volume of SSOs/sewer connection)

**Status:** Evaluation is 5% Complete = 0.5 points

Annual Evaluation will take place at the end of each calendar year. Only 3 of 11 tasks are completed at this time.

Action Strategy 20: 45.5% Complete



**Total Value: 100 pts**

**Action Item Percentage Completed: 45.5%**

## **ACTION ITEM 21 – WATER – INCREASE INFILTRATION BY 5%**

*Increase groundwater recharge by 5% by 2020.*

### **BASELINE DATA (10 points)**

- Low Impact Development (LID) is a “preferred” method to address stormwater run-off/treatment in the Public Works Standard Conditions.
- The City’s National Pollutant Discharge Elimination System (NPDES) permit for Municipal Separate Storm Sewer System (MS4) lists Best Management Practices (BMP) installed to filter stormwater.
- City Facilities using infiltration
  - The new Library is planned as a LEED’s certified building and uses infiltration to manage stormwater run-off.
  - Park improvements include:
    - Decomposed granite walkways
    - Landscaping is planned for maximum water retention
- Action is driven by new development and renovations
  - Baseline is built around 2007 Developments
  - Projects categorized as Standard Urban Stormwater Mitigation Plan (SUSMP) under the City’s NPDES MS4 permit are encouraged to use LID as a preferred post-construction best management practice.
  - Presently, LID is not required under the City’s NPDES MS4 permit or the City’s development conditions, but is recommended as a preferred post-construction best management practice to address stormwater run-off. It is expected that the City’s next NPDES MS4 permit will require LID and the City will follow with development requirements. - Recommended Not Required

**Status:** Baseline is 75% Complete = 7.5 points.

City Projects are on-going and data presently collected and compiled and submitted annually every August.

### **ACTION STRATEGY (35 points)**

- Los Angeles County Planning and Public Works is currently developing a Model Low Impact Ordinance.
- City of Monrovia’s Green Build Ordinance will encourage LEED’s building standards which encourage infiltration for water conservation.
- Evaluate how plan check costs will be affected by increased LID project review and coinciding plan check recovery fees.
- Identify City Facility Improvements that may be able to incorporate pervious concrete.
- New NPDES MS4 Permit is expected to require LID for all SUSMP projects.

**Status:** Action Strategy is 10% Complete = 3.5 points

### **IMPLEMENTATION (45 points)**

- Implement and enforce NPDES Permit
- Revise Monrovia Municipal Code to reflect new NPDES MS4 LID requirements, using LA County’s LID Ordinance as a model
- Revise Fee Schedule if necessary
- LID Program Education
  - Developer and Engineering Workshops
  - Community and Business Workshops
  - City Staff Training
  - Develop and produce a “Developer’s LID Resource Guide” and corresponding City Web-page.

**Status:** Implementation is 0% complete for 0 points

**EVALUATION (10 points)**

Increase in infiltration will be based on the percentage increase of approved and constructed developments and projects implementing LID practices.

**Status:** Evaluation is 75% Complete = 7.5 points

A project tracking database is currently in use and will be updated annually to reflect new development/re-development projects and their post-construction BMP.

Action Strategy 21: 18.5% Complete



**Total Value: 100 pts**

**Action Item Percentage Completed: 18.5%**