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Executive Summary

- A total of 6 clean-up events were conducted this quarter.

Summary of Attachments

- Appendix A: Meeting Agenda & Minutes
- Appendix B: Statewide Collaboration Meeting Documents
- Appendix C: Database Schema

Collaboration with Interagency Teams

The Interagency Anti-Litter Team met once this quarter: August 23, 2011. The meeting agenda and meeting minutes can be found in the Attachments to this report. The team communicates on a regular basis and is providing direction on all four subtasks as detailed below.

Task 1: Strategic Planning and Project Management.

Task Agreement

The current task agreement based on the Round 4 and 5 SNPLMA awards was extended to December 31, 2011. The expiration date for the Round 4 and 5 SNPLMA awards was also extended. The final expiration date is December 31, 2011.

To facilitate continuation of the accomplishments of the anti-litter and desert dumping team using Round 6 SNPLMA awards, the Bureau of Land Management developed a continuation task agreement to be entered into with UNLV. The task agreement was signed by both partners in August.

Collaborative Efforts

During this quarter the team sponsored a meeting of interested stakeholders from throughout the state of Nevada to explore the potential of developing statewide collaboration. Appendix B contains the agenda, biographies of participants and the results of a scan of litter and dumping related laws and organizations in Nevada. It is followed by the final report from the meeting.
To further the dialog and encourage collaboration, the areas identified for potential collaboration (page 15 in the final report) were each made into a blog post and an invitation only site so that meeting participants could continue to comment and further plans to collaborate. By the end of the quarter no participants from the meeting had commented and only 3 had viewed the blog site. This indicated that there was a lack of sustained interest in statewide collaboration. The SNAP Board received an update on the meeting during their July meeting. At that time they indicated that regional (i.e., southern Nevada) collaboration should be the priority for the team.

The team continued to be an active participant in the Keep Las Vegas Beautiful efforts. In addition, work with West Career and Technical Academy continued as development of the training for the Social Media Squad proceeded.

The Hector’s Helpers Program met with the educators from the American Lung Association to explore the potential for collaboration. The meeting was very productive and through the sharing that occurred and with the assistance of the Keep Las Vegas Beautiful director, the Hector’s Helpers Program will be working with the East Las Vegas Community Center, Stupak Community Center and the Urban League. Every Boys and Girls Club in Clark County was also contacted and interest is continuing to grow in participating in the curriculum.

**Recycling Efforts**

Clear Stream containers were distributed to the agencies to use to collect recyclable material at all public events. Clear bags with the SNAP recycling logo on them were also delivered to the agencies.

The team agreed to serve as the statewide coordinator for Keep America Beautiful’s America Recycles Day (ARD). A memorandum of agreement was signed and the team became the point of contact for groups throughout the state registering ARD events. The team decided to build on the success of their 2010 ARD efforts by again sponsoring a recycling event as part of the UNLV Homecoming festivities. This year the effort will be entered in the EPA’s Game Day Challenge. The team will be partnering with UNLV, Keep Las Vegas Beautiful and Republic Services for the event. It is hoped that over 100 volunteers will serve as recycling ambassadors during the game.

**GIS Project Planning and Management**

Three field tests of the database were conducted and a final draft of the database was created. Work commenced on a training manual for operating the database. A draft of the forms volunteers will use to collect monitoring information was created and development of the interface between the volunteer data and the staff data was begun. The team reviewed a schema of the relationship of the various components of the database (see Appendix C) and determined that all of the components should be built but further discussion on when to enable some of the features needs to take place.

**Task 2: Messaging Campaign**

The redesign of the website continued. The team selected a layout and color scheme for the design and received input from the SNAP Executive Director and the SNAP Visual Media Specialist. The Program Manager reviewed the Department of Interior Web Standards Policy. She worked with the web designers to modify the scope of work to ensure compliance with all of the standards applicable to federally funded DOI sites.
Program Website
The Don’t Trash Nevada official Web site (www.donttrashnevada.org) launched on October 12, 2006. The site includes information related to illegal dumping and litter prevention, clean-up events, recycling, household hazardous waste management, and the anti-litter pledge. Data for the period of October 2006 - March 2010 indicated 1,227,523 successful server requests, and 184,453 successful page requests (See Figure 1 below). During August 2009, the website migrated to a new server which impacted the collection of the statistics.

New information tracking was implemented for April 2010 moving forward. This information tracking more accurately tracks the number of individuals that visit this site and how many pages they visit (See Figure 2 below).

Figure 1 shows Don’t Trash Nevada quarterly web traffic since the site went live to March 2010.
Community Outreach
The Take Pride in America Southern Nevada Team attended four community outreach event. Staffed by the Public Lands Institute, this event was an opportunity to raise awareness of the litter and desert dumping problem. Individuals are encouraged to sign the Don’t Trash Nevada pledge by offering them a reusable shopping bag. Table 1 contains a summary of the contacts made.

Table 1. Community Outreach Attendance – July - September 2011

<table>
<thead>
<tr>
<th>Event Name</th>
<th>Number of Direct Contacts</th>
<th>Number added to Mailing List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friends of Red Rock Canyon Quarterly Meeting</td>
<td>67</td>
<td>0</td>
</tr>
<tr>
<td>UNLV Student Involvement Fair</td>
<td>148</td>
<td>53</td>
</tr>
<tr>
<td>Goodsprings Daze</td>
<td>123</td>
<td>15</td>
</tr>
<tr>
<td>National Trails Day</td>
<td>321</td>
<td>45</td>
</tr>
</tbody>
</table>

Table 1 shows the number of contacts made at community outreach events and the mailing list sign ups that resulted from these contacts.

Task 3: Litter and Desert Dumping Clean-ups
A total of 399 volunteers donated 1,772 hours to our public lands during six volunteer events. According to the Independent Sector, which provides data for calculating the economic impact of volunteers, the volunteer events this quarter have had an economic impact of $36,946.20.
Figure 2 shows the number of events per quarter since program inception.

Figure 3 shows the number of volunteers participating in events each quarter since program inception.

Figure 4 shows volunteer hours contributed each quarter since program inception.
Figure 5 shows the value of volunteer hours since program inception in dollars and cents.

Figure 6 shows the number of cubic yards of waste removed from public lands by volunteers.
Figure 7 compares the volume of trash removed from public lands since program inception to a popular monument.

If each cubic yard of waste removed by the anti-litter team were stacked on top of each other the stack would reach over 46,500 feet high as of October 4, 2011.
Volunteer Clean-Up Events

The 6 volunteer clean-up events that were supported by the Take Pride in America in Southern Nevada team are summarized below. Table 2 contains a summary of all clean-up efforts supported by the team.

Sweep the Peak
July 2, 2011- Spring Mountains- Kyle Canyon- USFS
7 volunteers removed 250 lbs of trash.

Outdoor Leadership Program
July 19, 2011- Upper Meadows, Mt. Charleston- USFS
43 Students from Stupak, Veterans Memorial, and Doolittle Recreation centers removed two cubic yards of trash

Desert Pass Road Restoration Plus
July 23, 2011- Desert Wildlife Refuge- USFWS
16 volunteers donated 120 hours to channel the Mormon Well road recreation travel to designated sites by removing two disbursed campsites and reclaiming 320 meters along the course of three illegal roads.

Sweep the Peak
July 30, 2011- Ski Resort, Mt. Charleston- USFS
48 volunteers removed about 550 lbs of waste.

South Hollywood Clean-up
September 17, 2011- South Hollywood- BLM
150 volunteers removed 130 cubic yards of trash

NPLD- Government Wash Clean-Up
September 24, 2011- Government Wash- Lake Mead, NRA- NPS
Volunteers worked for six hours to clean-up approximately 12 cubic yard of litter in an area that is approximately equal to one mile of shore line, in addition to the adjacent roads, parking areas and campsites at Government Wash.

Table 2. Don’t Trash Nevada Sponsored Clean-ups July - September 2011.

<table>
<thead>
<tr>
<th>Date</th>
<th>Agency</th>
<th>Location</th>
<th>Nature of Work</th>
<th>Number of Volunteers</th>
<th>Accomplishments</th>
<th>Total Volunteer Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/2/2011</td>
<td>USFS</td>
<td>Spring Mountains</td>
<td>Clean-Up</td>
<td>7</td>
<td>7 volunteers removed 250 lbs of trash.</td>
<td>28</td>
</tr>
<tr>
<td>7/19/2011</td>
<td>USFS</td>
<td>Upper Meadows</td>
<td>Leadership/Clean-up</td>
<td>43</td>
<td>43 Students from Stupak, Veterans Memorial, and Doolittle Recreation centers removed two cubic</td>
<td>172</td>
</tr>
<tr>
<td>Date</td>
<td>Agency</td>
<td>Event</td>
<td>Teams</td>
<td>Volunteers</td>
<td>Hours</td>
<td>Cubic Yards</td>
</tr>
<tr>
<td>-----------</td>
<td>--------</td>
<td>-------</td>
<td>-------</td>
<td>------------</td>
<td>-------</td>
<td>-------------</td>
</tr>
<tr>
<td>7/23/2011</td>
<td>USFWS</td>
<td>Desert Wildlife Refuge</td>
<td>Restoration/Clean-Up</td>
<td>16</td>
<td>120 hours to channel the Mormon Well road recreation travel to designated sites by removing two disbursed campsites and reclaiming 320 meters along the course of three illegal roads.</td>
<td>120</td>
</tr>
<tr>
<td>7/30/2011</td>
<td>USFS</td>
<td>Mt. Charleston</td>
<td>Clean Up</td>
<td>48</td>
<td>48 volunteers removed about 550 lbs of waste.</td>
<td>192</td>
</tr>
<tr>
<td>9/17/2011</td>
<td>BLM</td>
<td>S. Hollywood</td>
<td>Clean Up</td>
<td>150</td>
<td>150 volunteers removed 130 cubic yards of trash</td>
<td>450</td>
</tr>
<tr>
<td>9/24/2011</td>
<td>NPS</td>
<td>Government Wash</td>
<td>Clean-Up</td>
<td>135</td>
<td>Volunteers worked for six hours to clean-up approximately 12 cubic yards of litter in an area that is approximately equal to one mile of shore line, in addition to the adjacent roads, parking areas and campsites at Government Wash.</td>
<td>810</td>
</tr>
</tbody>
</table>

**TOTALS**

| 6 Events | 399 Volunteer | 147 Cubic Yards Removed | 1772 hours |

Table 2 summarizes all Don’t Trash Nevada sponsored clean up events from July – September 2011.

**Additional Dumpsters and Roll-off**

In this quarter, Take Pride in America in Southern Nevada supported multiple clean-up efforts with the roll-offs needed to remove the waste. The team provided over 150 cubic yards of roll-off space.

**Task 4: Judicial System Analysis**

On October 26, 2006, a draft Judicial System Analysis report was presented to the Interagency Law Enforcement Team for review. The Judicial Analysis was determined to be complete by the SNAP Executive Director on February 23, 2007. The Executive Director requested that the Law Enforcement Team provide written comments to include within the Judicial Analysis. Once these comments are incorporated into the report, it will be submitted in compliance with the task agreement.
Appendix A
Meeting Agenda & Minutes
## Anti-Litter Team Meeting Agenda
### August 23, 2011

**Meeting Called By:** Erika Schumacher, team lead  
**Participants:** Beth Barrie, Nancy Bernard, Bob Loudon, Amy Sprunger, Gordon Gilbert  
**Guests:** Kate Hanson, Sarah Otero, LaNelda Rolley  
**Location:** Water Safety Building

### Agenda
- **Round Table**: The team will share updates.  
- **Statewide Collaboration**: The team will be briefed on the statewide collaboration meeting that was held in July and discuss the desired next steps.  
- **Break**  
- **Website Redesign**: The team, Kate and Sarah will review the design boards for the website and provide feedback.  
- **America Recycles Day**: The team will discuss and decide what they would like to do for America Recycles Day.  
- **Monitoring Program**: The team will receive an update on the development of the monitoring program and information sharing portal.  
- **Fall Events**: The team will share information on upcoming fall events.

<table>
<thead>
<tr>
<th>Start</th>
<th>End</th>
<th>Time</th>
<th>Item</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 AM</td>
<td>9:30 AM</td>
<td>0:30</td>
<td><strong>Round Table</strong>: The team will share updates.</td>
<td>Team members</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>10:30 AM</td>
<td>1:00</td>
<td><strong>Statewide Collaboration</strong>: The team will be briefed on the statewide collaboration meeting that was held in July and discuss the desired next steps.</td>
<td>Erika Schumacher</td>
</tr>
<tr>
<td>10:30 AM</td>
<td>10:35 AM</td>
<td>0:05</td>
<td><strong>Break</strong></td>
<td></td>
</tr>
<tr>
<td>10:35 AM</td>
<td>11:20 AM</td>
<td>0:45</td>
<td><strong>Website Redesign</strong>: The team, Kate and Sarah will review the design boards for the website and provide feedback.</td>
<td>Beth Barrie</td>
</tr>
<tr>
<td>11:20 AM</td>
<td>11:35 AM</td>
<td>0:15</td>
<td><strong>America Recycles Day</strong>: The team will discuss and decide what they would like to do for America Recycles Day.</td>
<td>Erika Schumacher</td>
</tr>
<tr>
<td>11:35 AM</td>
<td>12:05 PM</td>
<td>0:30</td>
<td><strong>Monitoring Program</strong>: The team will receive an update on the development of the monitoring program and information sharing portal.</td>
<td>Beth Barrie</td>
</tr>
<tr>
<td>12:05 PM</td>
<td>12:30 PM</td>
<td>0:25</td>
<td><strong>Fall Events</strong>: The team will share information on upcoming fall events.</td>
<td>Team members</td>
</tr>
</tbody>
</table>

**Total:** 3:30
**Agenda Item: Statewide Collaboration**

**Overview:** The team received a briefing on the July 13-14 statewide collaboration meeting.

Erika thought it was a good meeting. Definitely a follow up needs to be done. There was a lot of interest in what other places are doing. Seems like this was the first time something like this came together. There was a lot of interest in what’s happening in other places. Education was a big thing people were interested in collaborating on. Definitely took away that if we want to do something we’ll need to bring in politicians. Washoe County law enforcement is very proactive, priority for deputies but it’s coming down from the top.

It became apparent that the entire state can’t tackle it the same way. Southern Nevada, Washoe County and then the rest of NV have different logistical challenges. If we continue we’ll have to take the things all 3 groups can work on together and help with the other stuff where we can; really have to have Republic and Waste Management involved; Republic isn’t getting the word out about the transfer station stuff but they are involved in the So NV community; Waste Management isn’t as involved in the community; Erika would like to do another meeting but the board not supportive of further efforts. The board indicated regional collaboration (i.e., Southern Nevada) would be better.

**Next Steps**

If we work with the smaller towns then they’d know not to bring Styrofoam

Education and community involvement/volunteerism if they’re involved at their community level they’re better visitors to public lands

The idea of a So NV or Clark County would be worth the effort but we’re already working together in Clark County

NV Mining Association could be approached to fund a state organization; they’re interested in improving their public perception to avoid increased taxes

NV League of Cities could have a table where people could sign up to be involved

Continue slowly building collaboration.

**ACTION ITEMS**

- Beth will work with LaNelda to put together a proposal packet to approach the NV Mining Association.
- Beth will contact the NV League of Cities about having a booth at their meeting.

**Agenda Item: Website Redesign**

**Overview:** The team reviewed the revised mock up of the website layout with LaNelda Rolley, receiving input from Kate Hanson and Sarah Clark.
SNAP/SNPLMA – they don’t want to use these acronyms. It should read Federal Partners

SNAP logo – send Sarah .pdf so she can play with placement; should be on main landing page of each section; needs to link to snap.gov

On home page Why Should you Care should be on top

Make sure font size is accessible

Need to document the people resources that it would take to keep the site up and running

Board wants team’s efforts to focus on Southern Nevada and solidifying local clean up efforts

Send Sarah social media elements so she can get them approved by DoI web council

Make it read in a mobile device.

**ACTION ITEMS**

- Beth will communicate this feedback to B&P so they can make the necessary revisions.
- Beth will send Sarah the .pdf of the mock up so she can determine the placement of the SNAP logo.
- Beth will send Sarah the social media plans so she can get them approved by the DoI web council.

**Agenda Item: America Recycles Day**

**Overview:** The team decided what they wanted to do for America Recycles Day.

Last year’s event was well received and highlighted by Keep America Beautiful so it makes sense to do the same thing. We could involve schools as volunteers. We’ll need more recycling ambassadors this year.

NPS Cottonwood Cove Eco Dive October 8th and Placer Cove clean up Nov. 12 will be in honor of ARD.

Be fun if UNR and UNLV compete; could do a flash trash mob for Homecoming on recyclables;

**ACTION ITEMS**

- Beth will get the MOA for serving as the state coordinator to Kate for her signature.
- Heather will coordinate with Tara Pike on the logistics and volunteer recruitment for the event.

**Agenda Item: Database and Monitoring Program**

**Overview:** The team reviewed the database plans and determined a schedule for the monitoring.

The monitoring should be done twice a year. We will need to pick those dates carefully; July 5th Placer would be a mess.

LAME has 150 adopted areas, some of these could be included in the monitoring.

Online Group registration process should be built and we’ll decide later when to turn it on

Mobile and Website public reporting of dumpsites – should be built and we’ll decide later when to turn it on; invite Eric to the meeting to discuss the details of this process.
ACTION ITEMS

• Beth will communicate the decision to Craig Palmer (the person creating the sampling for the monitoring program) and Fon Duke (the MDEP Program Manager who will build the online registration and mobile app)

Agenda Item: Fall Events
Overview: The team reviewed fall events.

IVP team still needs to meet about Fall events
Interagency – Sept 24 NPLD Government Wash litter event as many people show up no limits
October 1st Large scale 50+ Placer Cove Be the Change Day open to public
Great American Clean up March 24th somewhere in Boulder
FWS southeast corner is reduced problem now; shooting park cut off access, post and cable diminished the problem.
BLM Red Rock for NPLD will do clean up at Lucky Strike and will probably tie into road to Corn Creek.

ACTION ITEMS
• None

Agenda Item: Round Table
Overview: The team provided updates on litter and dumping issues in their agencies.

NPS
Losing Elizabeth in December won’t be able to hire a term to replace her but still looking to hire thru GBI or SCA. Spring planning will be delayed as a result of this staff turnover.

BLM
Melissa started yesterday; fire crews start back up on post and cable in October; hoping to get NCC crews in CTA; got clearance to put post and cable in near CTA; They are in the process of getting a blanket NEPA for Clark County instead of doing it site by site. This will make it easier to accommodate volunteer groups since it will reduce the time needed to select a site.

FWS
Assistant manager will be out for an indefinite amount of time; working on end of fiscal year reports done; Amy won’t be at next month’s meeting

USFS
No updates.

ACTION ITEMS
• None
Appendix B
Statewide Collaboration Meeting Documents
Nevada
Litter & Dumping
Collaboration

July 14, 2011
Welcome

Introductions

Setting the Stage for a Greater Good:
Part 1 – Current Context
- How is the issue of litter and dumping currently defined within the State of Nevada?
- Who are the players?
- What are their respective “spaces” (within their scope)?

Break

Setting the Stage for a Greater Good:
Part 2 – Assessment
- What’s working really well?
- Where are the opportunities – think big, like changing the paradigm, and think small, like where is the white space between the players?
  - Scarcity mindset
  - Perception of “fairness” as it relates to funding
  - Overlapping scope of services
  - Competition for “leading” status
  - Does it have to be “just litter and dumping”

Lunch

Beginning with the End in Mind:
Part 1: The 3 Year Leap
- Progressive Storytelling to set the stage for 2014.
  - Round 2: How are the litter and dumping issues likely to change in the next 3 years?
- What are the unique and important services that a new state entity could provide and to what audiences?

Break

Beginning with the End in Mind:
Part 2: Making it Real
It is 2014 and we are meeting once again....
- WHAT have we been able to accomplish?
- HOW have we done this?

Next Steps
- How will we use what we have learned
- Deliverables from Session 1
Biography
Bits
Delmo Andreozzi
Delmo Andreozzi, Assistant City Manager for the City of Elko is a Native to Nevada. Delmo has been employed by the City of Elko since 1984 and has had the opportunity to work his way up through the ranks. Delmo serves on the NNRH Hospital Governing Board, Nevada T-2 Board, Lions (past board member), and Knights of Columbus (past board member).

He has been a longtime advocate of the negative impacts associated with illegal dumping; as such, he serves as the project champion and chairman of the Elko County Against Illegal Dumping (ECAID) and the Take Pride in Your Community where the volunteer program has swelled to over 900 participants raising awareness which is literally transforming the landscape, environment and lives on a yearly basis. He remains humbled by the opportunities that have been provided to him; he values the community, and feels that being a steward of community’s resources is a huge responsibility that he does not take lightly. Delmo and his wife of 22 years Anne, have 3 children.

Beth Barrie
Beth Barrie, Ph.D. is the Public Lands Institute Program Manager for the Don’t Trash Nevada Program and an Assistant Research Professor in the Tourism and Convention Administration Department. As a catalyst for collaboration and change, the Public Lands Institute is committed to developing effective solutions for public land management and stewardship that are essential for the protection, multiple use, sustainability, and management of public lands. The Institute works in collaboration with federal, state, and non-profit partners to create new knowledge, advance technology, improve education, and engage the community. The Institute believes that the rewards of this cooperation – effort in support of public land management and an enduring respect for our nation’s natural and cultural resources – will be evident in the future, a future to which it is committed.

George Bertoty
Senior Environmental Health Specialist with the Southern Nevada Health District’s Environmental Health Division’s Solid Waste and Compliance Section. The Solid Waste and Compliance Section’s program that he is responsible for investigates illegal dumping complaints and conducts waste audits at facilities that generate wastes that require special handling and should not be disposed with municipal trash.
Allen Biaggi
Mining in Nevada has a long and rich history which continues today employing over 14,000 people statewide. The Nevada Mining Association consists of 300 members representing mine operators, exploration interests, vendors and consultants. The industry provides high quality and high paying jobs throughout Nevada and plays an especially important role in rural Nevada.

Allen Biaggi is on contract to the Association to address environmental issues. Mr. Biaggi retired from the State of Nevada in 2010 after more than 30 years of service. During his tenure he was appointed by Governor's Guinn and Gibbon as the Director of Conservation and Natural Resources. Prior to that he was appointed by Governor's Miller and Guinn as the Administrator of the Nevada Division of Environmental Protection.

David Bobzien
As a Nevada State Assemblyman, David serves on the Assembly Education Committee and the Nevada Council to Establish Academic Standards. Moving to Reno in 1997, David began working at the University of Nevada, Reno as a program assistant and management analyst in the Planning, Budget and Analysis office where he gained knowledge of state education policy and budgets. David was appointed Campus Webmaster in 2000, where he worked with emerging Internet and education technologies until 2007.

Jeff Brigger
Jeff Brigger is the Economic Development Executive for NV Energy’s Economic Development Department. He is responsible for attracting new businesses and industry to northern Nevada and is the company’s liaison to rural economic development agencies.

Jeff has a Bachelor’s of Science degree in Business Management a Master’s of Business Administration from Maryhurst University in Oregon. He is a member of Western Industrial Nevada (WIN), the National Association of Industrial and Office Properties (NAIOP). He also sits on the board of the Fernley Chamber of Commerce, the Western Nevada College Foundation Board, the Elko County Economic Diversification Authority board, Keep Truckee Meadows Beautiful (KTMB) board, and is an associate member of the Western Nevada Development District (WNDD).
Biography Bits

**Christi Cakiroglu**
Raised in Washoe Valley, a small rural community nestled between Reno and Carson City, Christi Cakiroglu was familiar with the blight of illegal dump sites from a very young age. Hired as Executive Director for Keep Truckee Meadows Beautiful (KTMB) in 2002, Christi initiated the creation and expansion of the Great Truckee Meadows Community Cleanup which resulted in more than 2,500 volunteers removing over 500 tons of trash within five years.

In an effort to reduce the need for perpetual cleanups, Christi worked with a variety of community partners to form the Illegal Dumping Task Force in 2006. Through cooperative partnerships including the Washoe County Sheriff’s Office, the Task Force has initiated illegal dump stings, the 329-DUMP Hotline to report illegal dumping, several education campaigns, and most recently the installation of hidden cameras. Annual KTMB Litter Index surveys show that habitual dump sites are cleaner and are staying cleaner longer since the inception of the Task Force. Christi continues to facilitate the Task Force and its three Work Groups. She is an alumni of Wooster High School in Reno and graduated with a Political Science degree and double minors from the University of Oregon. In addition to business and nonprofit management experience, Christi has taught English overseas and regularly travels to Turkey.

**Lisa Campbell**
Senior Neighborhood Planner for the City of Las Vegas, Lisa Campbell led the development of the city’s nationally certified Keep Las Vegas Beautiful partnership. The partnership with community team members and utilization of grants and resources helps aid Las Vegas as a sustainable, world-class city. She guided the team through the pre-certification process to quality as a national affiliate of Keep America Beautiful. Keep Las Vegas Beautiful is currently working on youth education and community engagement efforts to support the vision and mission of the national KAB. The Batteries Included Program with children from Roy Martin and Sunrise Acres schools illustrates one of the many programs available to the community.

**Bob Coyle**
One of the corporate leaders of Republic Services, Clark County’s contracted waste management company, is Bob Coyle, vice president of public affairs and government relations. Coyle began his career in the waste industry in 1969 with Waste Management Inc. and has worked in California, Chicago, Hawaii and Europe. He was part of the solid-waste collection team for the 1984 Olympic Games in Los Angeles, where he helped service the equivalent of a city of 50,000 people with a start up and shut down in six weeks. Coyle is on the board of directors of the Henderson Boys and Girls Club, and is a member of the President’s Advisory Board of the Las Vegas Chamber of Commerce.
John Deuel
John Deuel has over 30 years of experience in developing effective programs and building stronger organizations. He has led the redevelopment of Keep Virginia Beautiful in a three year mission exploration and strategic plan implementation. John Deuel is Executive Director of Keep Norfolk Beautiful and Recycling Coordinator for the City of Norfolk. John began by leading municipal recreation programs for the Town of Jamestown, Rhode Island, Pacifica, California and came to Norfolk as the Special Events Coordinator in 1983. After moving into the Department of Public Works in 1991, John helped to expand litter prevention, recycling and environmental education programs. He helped open the Ernie Morgan Environmental Action Center in 1998 which provides citizen access to environmental information and volunteer opportunities.

John has chaired the Keep America Beautiful National Conference, as well as regional and state litter prevention and recycling organizations. In 2000, John received the Keep America Beautiful Professional Leadership Award and most recently was awarded Norfolk Environmental Commission’s highest award, the Ernie Morgan Award of Service. John is currently assisting Keep America Beautiful and other clients as a consultant for GreenQuest, LLC. John has three children, three grandchildren and lives in downtown Norfolk, Virginia with his wife, Sallie.

David Frommer
David Frommer, AIA, serves at the Executive Director of Planning and Construction at the University of Nevada, Las Vegas. David is responsible for the oversight of all UNLV campus physical planning, design and construction activities at the UNLV Maryland Campus, Shadow Lane Campus and proposed North Campus, as well as participation in activities at the UNLV Harry Reid Research Park.

David has also served or is serving in the following roles: as an Adjunct Instructor of Architecture at the UNLV School of Architecture, as President of the American Institute of Architects (AIA) Nevada and Las Vegas Chapters, as the Chair of the AIA National Public Architects Knowledge Committee, as a member of the Editorial Board of Architecture Las Vegas magazine, as a member of the 2010 Design-Build Institute of America National Conference Planning Committee and on several design and construction project and service award juries. In 2001, David was selected to receive the AIA Nevada Young Architects Citation and the AIA Nevada Service Award.
Biography Bits

Kate Hanson
Kate Hanson is the Executive Director Southern Nevada Agency Partnership (SNAP). SNAP is comprised of the Bureau of Land Management, National Park Service, U.S. Fish and Wildlife Service, and U.S. Forest Service. SNAP was formed in 1997 as a unique interagency partnership to address 14 initiatives including litter clean-up, volunteerism, resource protection, recreation, science and research, outdoor recreation education, law enforcement, and other issues.

Betty Hollister
Betty Hollister is the public information manager for the Clark County Regional Flood Control District. The Clark County Regional Flood Control District was created in the mid-'80s to address flooding issues, valley-wide. Flash flood season for Southern Nevada is July through September when hot desert temperatures can contribute to intense heavy rain which could cause flash flooding.

Deidre Kennelly
Deidre Kennelly is the Program Director for Keep Truckee Meadows Beautiful. Deidre moved to the Truckee Meadows in 2008 and loves the great community and open space areas of northern Nevada. Before joining Team KTMB Deidre worked in Cultural Resource Management. Through her experience doing fieldwork in the Great Basin she gained an appreciation for Nevada’s lovely and varied landscapes. Deidre came to KTMB committed to taking the organization to the next level and brings with her a passion for recycling and keeping our community litter free. As the Program Director, Deidre works closely with project partners and sponsors to manage and ensure the continued success of KTMB’s ten programs.

John Mosley
John Mosley is the Environmental Director for Pyramid Lake Paiute Tribe. Pyramid Lake Paiute Tribe is governed by 10 Tribal Council and operates under the Indian Reorganization Act Constitution and By-Laws. The Pyramid Lake Paiute Tribe has a Government to Government Relationship with the Federal Government. Therefore, the Tribe contracts with or receives grants directly from Federal Agencies or the State of Nevada, to provide services to the Tribal members and residents of the Reservation. The Reservation is located thirty five miles northeast of Reno, Nevada in a remote desert area located in the counties of Washoe, Lyon, and Storey.
Biography Bits

Catherine Muir
Catherine Muir oversees the Education Department at the Springs Preserve in Las Vegas. She holds a Masters in Educational Psychology from the University of Nevada, Las Vegas and a Bachelor of Education from the University of British Columbia. She has acquired extensive experience and knowledge working with youth. Catherine has served as a youth counselor in Hawaii, as well as a youth educator in Honduras and Las Vegas. She has been the facilitator of the Southern Nevada Water Authority’s Youth Advisory Council since 2006 and with the Springs Preserve Education Department since 2004.

KerriAnne Mukhopadhyay
KerriAnne Mukhopadhyay is the Public Information Coordinator at Clark County Regional Flood Control District. The Clark County Regional Flood Control District was created in the mid-'80s to address flooding issues, valley-wide. Flash flood season for Southern Nevada is July through September when hot desert temperatures can contribute to intense heavy rain which could cause flash flooding.

James Ohrenschall
Las Vegas Assemblyman, James Ohrenschall, is a native Las Vegan. He received his Bachelor’s Degree in Economics from the University of Nevada Las Vegas and received his law degree from UNLV’s William S. Boyd School of Law in December 2009.

Some his proudest legislative accomplishments include his bill expanding medical insurance coverage to Nevada’s autistic children; furthering the goal of lowering pollution and lessening our dependence on foreign oil through his legislation making it more cost effective to operate hybrid automobiles; his work for enhanced protections for mobile home park tenants from arbitrary and capricious evictions; and his efforts at criminal justice reform.

Bill Von Phul
Bill Von Phul sits on the Washoe County Parks and Open Space Commission and works with Keep Truckee Meadows Beautiful through their Illegal Dumping Task Force. He is a board member of the Tahoe-Pyramid Bikeway and president of the Truckee Meadows Trails Association, a trail advocacy and trail building group.
**Erika Schumacher**
Erika Schumacher is currently Chief Law Enforcement Ranger for the Bureau of Land Management in Southern Nevada. Its mission is to sustain the health, productivity, and diversity of America’s public lands for the use and enjoyment of present and future generations. She has been part of the BLM for 22 years. Her career began in Barstow, CA then Fallon NV, Elko, NV, Reno and now Las Vegas. In all locations she observed trash dumping in all locations and has always tried to solve it, however early learned this is a global problem that many need to work together to solve.

She is a mom of 2 children and spends her free time hiking, gardening and shuttling kids to sports and music events.

**Chet Sergent**
Chet Sergent is the Northern Nevada Recycling Coordinator for the Bureau of Waste Management. The Nevada Division of Environmental Protection (NDEP) is working to reduce waste generation and increase recycling throughout Nevada. Staff from NDEP are cooperatively working with local jurisdictions and recyclers around the state to promote increased recycling. Currently every county in Nevada is diverting some quantity of recyclable materials from being landfilled. One of our goals is to assist counties in their efforts to maximize diversion of materials from being landfilled.

**Jennifer Simich**
As Director of Government Affairs for Republic Services, Jennifer Simich keeps the company connected to its 420,000 single-family residences and 21,000 commercial, industrial and multi-family customers by managing its community relations programs and working with community leaders to make sure their constituent's waste management needs are met. Additionally, Jennifer represents Republic Services at the legislature.

Jennifer is a native Las Vegan, received her Political Science degree from UNLV and is active in the community working as a board member for the Nevada Partnership for Homeless Youth, she has also served on the board of the Vegas Young Professionals, the Henderson Boys & Girls Club auction committee and The Blind Center of Nevada Fashion Show Committee. Jennifer also is a founding member of the Las Vegas Chapter of Keep America Beautiful and is on the UNLV Alumni Association and the advisory council for the USO.
Biography Bits

**Becky Stock**
Becky Stock is the Project Manager for the Nevada Land Conservancy. The Nevada Land Conservancy is Nevada's “homegrown” non-profit land trust working with landowners and communities to protect and preserve open space for an enhanced quality of life. With the help of members, volunteers, land owners, businesses and government agencies, the Nevada Land Conservancy protects special places through acquisition, easement, open space planning, outreach and environmental restoration.

**Morgan Tiar**
Morgan Tiar is the Operations Coordinator for Keep Truckee Meadows Beautiful. Morgan and her husband started a small local business called EcoReno in July 2008 that was dedicated to sustainable products. Unfortunately the economic downturn led them to close EcoReno’s doors in December 2010, but challenges sometimes bring opportunity which is how we welcome Morgan as KTMB's Operations Coordinator. Morgan is editor and coordinator for KTMB's new publication Greno, a sustainable publication implemented to educate the community in helping create a sustainable future. Greno has been in the Truckee Meadows since 2009 and has published 7 editions.
Nevada Conservation Organizations
<table>
<thead>
<tr>
<th>Name of Law/Regulation</th>
<th>Level</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actions affecting easements for conservation Nevada</td>
<td>Nevada</td>
<td>1. An action affecting an easement for conservation may be brought by: (a) An owner of an interest in the real property burdened by the easement; (b) A holder of the easement; (c) A third person with a right of enforcement; or (d) A person authorized by other law.</td>
</tr>
<tr>
<td>“Recyclable material” interpreted Nevada</td>
<td>Nevada</td>
<td>1. The State Environmental Commission will interpret the term “recyclable material” as defined in NRS 444A.013 to include, without limitation: (a) Newspaper; (b) Corrugated cardboard; (c) Aluminum; (d) Yard debris; (e) Office paper; (f) Glass; (g) Tin and steel cans; (h) Metal; (i) Motor oil; (j) Plastic; and (k) Antifreeze.</td>
</tr>
<tr>
<td>Program for disposal of hazardous household products; program for separation at source of recyclable material at residential premises or public buildings Nevada</td>
<td>Nevada</td>
<td>1. A municipality which makes available in that municipality a program for the disposal of hazardous household products shall provide for the collection at least semiannually of used or waste motor oil, motor vehicle batteries and: (a) Paint and products associated with painting; or (b) Any other household, garage or garden products which are capable of causing harmful physical effects if inhaled, absorbed or ingested. If a program for the disposal of hazardous household products is made available, it must be implemented on or before January 1, 1994. 2. A municipality which makes available in that municipality a program for the separation at the source of recyclable material at residential premises shall designate at least three recyclable materials to be so separated. 3. A municipality which makes available in that municipality a program for the separation at the source of recyclable material at public buildings shall designate at</td>
</tr>
<tr>
<td>“Composting” defined Nevada</td>
<td>Nevada</td>
<td>“Composting” means a controlled process of biological degradation of solid waste to an inoffensive humus-like product.</td>
</tr>
</tbody>
</table>
| **“Disposal site” defined**
NRS 444.460 | Nevada | “Disposal site” means any place at which solid waste is dumped, abandoned or accepted or disposed of by incineration, land filling, composting or any other method. The term includes a municipal solid waste landfill. |
| **Permit to operate disposal site: Requirement; exemptions; application**
NAC 444.6405 | Nevada | 1. Except as otherwise provided in subsection 2, the owner or operator of a disposal site must obtain a permit to operate the site from the appropriate solid waste management authority.
2. The following sites are exempt from the provisions of subsection 1:
   (a) Composting bins which are operated at a personal residence for personal use; and
   (b) Municipal composting operations for yard wastes.
3. The owner or operator of a proposed disposal site must obtain the permit before the construction or operation of that site. An application for the permit must be submitted at least 180 days before the anticipated start of construction, to allow sufficient time for the review and issuance of the permit. |
| **Disposal of special wastes: Construction and demolition wastes**
NAC 444.652 | Nevada | Landfills incorporating large quantities of construction and demolition wastes of combustible nature must be cross-sectioned into cells by compacted cover material to prevent spread of accidental fires. |
| **Disposal of special wastes: Waste tires**
NAC 444.648 | Nevada | 1. Disposal of waste tires by open dumping is prohibited.
2. Disposal of waste tires by open burning is prohibited.
3. Waste tires which are disposed of by land filling and which are not incorporated with other wastes in a landfill for which a permit has been issued by a solid waste management authority pursuant to NAC 444.6405 must be chipped, split or otherwise handled in a manner approved by the solid waste management authority which:
   (a) Prevents tires from resurfacing after they have been covered;
   (b) Reduces the possibility of a fire at the landfill;
   (c) Controls vectors; and |
| **Plans to manage solid waste**
NAC 444.658 | Nevada | 1. Every municipality or district board of health must develop a plan for the management of solid waste within the area of its jurisdiction, together with a program for carrying out the plan.
2. The area or region to be included in such plan is the area within the boundaries of each county in the State, except in those instances where an incorporated city develops and carries out a separate plan. This section does not prevent several municipalities from developing a single combined plan. |
3. Such plans must be comprehensive in scope so as to provide for all parts of a complete solid waste management system.
4. In those areas where plans for a solid waste management system have already been developed and approved, plans must be updated as necessary to conform with NAC 444.570 to 444.7499, inclusive, and submitted to the Division. The updated plan may be in the form of a letter or summary if all necessary items are included.
5. The schedule for carrying out the plan must state the times for putting each part of the plan into effect.
6. All municipalities and district boards of health must submit their respective plans for a solid waste management system on or before October 1, 1994.
7. Every plan must be reviewed and updated as necessary, but not less often than once every 5 years following October 1, 1994.
8. Every plan must be submitted to the Division for its approval. The plan may not

No solid waste processing system may be allowed to cause health hazards, public

1. The Division may solicit applications for grants to enhance solid waste management systems and promote the efficient use of resources, including, without limitation, the recycling of solid waste. The Division may establish deadlines for applications by giving public notice of the availability of grants and the deadlines. An application received after 5 p.m. on the last business day of the application period will be returned to the applicant.
2. An application for a grant may be submitted to the Division by:
   (a) A municipality;
   (b) An educational institution; or
   (c) A nonprofit organization.
3. An application for a grant must be submitted in the form specified by the Division

“Facility for community recycling” means a facility for recycling hazardous waste which has a yearly capacity that is not more than twice the amount of the type of hazardous waste proposed to be recycled that is generated within the region in this State in which the facility is or is proposed to be located, as determined by the generation rate contained in the biennial report required by the provisions of 40 C.F.R. § 262.41, as that section existed on July 1, 2007.
<table>
<thead>
<tr>
<th>Deposit of unwholesome substance; carrying on business detrimental to public health on or near route of public travel; deposit of dead body of animal; burning stolen metallic wire. <strong>NRS 202.180</strong></th>
<th>Nevada</th>
</tr>
</thead>
</table>
| 1. Every person who:  
   (a) Shall deposit, leave or keep, on or near a highway or route of public travel, on land or water, any unwholesome substance;  
   (b) Shall establish, maintain or carry on, upon or near a highway or route of public travel, on land or water, any business, trade or manufacture which is detrimental to the public health;  
   (c) Shall deposit or cast into any lake, creek or river, wholly or partly in this State, the offal from or the dead body of any animal; or  
   (d) Shall knowingly burn stolen metallic wire to remove insulation,  
   shall be guilty of a gross misdemeanor.  
2. As used in this section, “stolen metallic wire” means metallic wire that has been taken unlawfully from or without the permission of the owner, whether or not the person who took the metallic wire is or has been prosecuted or convicted for taking the metallic |

<table>
<thead>
<tr>
<th>Unlawful acts; penalties <strong>NRS 444.610</strong></th>
<th>Nevada</th>
</tr>
</thead>
</table>
| 1. Any person who violates any regulation adopted by the State Environmental Commission or any ordinance or resolution adopted by the governing body of a municipality or district board of health is guilty of a misdemeanor.  
2. Each day or part of a day during which such violation is continued or repeated constitutes a separate offense.  
3. Except as otherwise provided in NRS 445C.10 to 445C.120, inclusive:  
   (a) A person convicted of violating subsection 1 is, in addition to any criminal penalty imposed, liable for a civil penalty upon each such conviction; and  
   (b) A court, before whom a defendant is convicted of a violation of subsection 1, shall for each violation order the defendant to pay a civil penalty which is at least $500 but not more than $5,000. |

<table>
<thead>
<tr>
<th>Prohibited acts; criminal penalty; clean up of dump site; community service; timing of commencement of clean up; proof of lawful disposal; revocation of business license; identification of violator; persons required to enforce provisions; issuance of citation; request for and provision of information. <strong>NRS 444.630</strong></th>
<th>Nevada</th>
</tr>
</thead>
</table>
| 1. A person who places, deposits or dumps, or who causes to be placed, deposited or dumped, or who causes or allows to overflow, any sewage, sludge, cesspool or septic tank effluent, or accumulation of human excreta, or any solid waste, in or upon any street, alley, public highway or road in common use, or upon any public park or other public property other than property designated or set aside for such a purpose by the governing body having charge thereof, or upon any private property, is guilty of:  
   (a) For a first offense within the immediately preceding 2 years, a misdemeanor.  
   (b) For a second offense within the immediately preceding 2 years, a gross misdemeanor and shall be punished by imprisonment in the county jail for not less than 14 days but not more than 1 year.  
   (c) For a third or subsequent offense within the immediately preceding 2 years, a gross misdemeanor and shall be punished by imprisonment in the county jail for 1 year.  
2. In addition to any criminal penalty imposed pursuant to subsection 1, any civil |
| Performance of certain functions by nonprofit organization | Nevada | A solid waste management authority may authorize a nonprofit organization to:  
1. Organize the cleaning up of dump sites;  
2. Provide educational materials and programs regarding unlawful dumping; and  
3. Operate and pay the costs of programs of community service relating to the cleaning up of dump sites. |
| Reward for information leading to arrest and conviction of violator; regulations | Nevada | 1. The solid waste management authority shall offer a reward of $100 for information leading to the arrest and conviction of any person violating NRS 444.555 or 444.630. The reward must be paid upon the conviction of the person and the payment in full of the penalty. The reward must be distributed equally among the persons who supplied the information which led to the arrest and conviction.  
2. The State Environmental Commission or district board of health may adopt regulations necessary to carry out the provisions of this section. |
<p>| Litter Findings - Purpose | Las Vegas | Whereas the daily volume of litter carelessly deposited in the City has reached alarming proportions; the heedless avalanche of paper, wrappings, bottles, cans and waste of every conceivable kind is a cause of civic disgrace; litter is unsightly, dirty and offensive; it is a fire, health and safety hazard; litter has a deleterious effect on property values; it destroys community pride and makes the City a less desirable place in which to live; combating litter is a costly waste of men, money and material, it is the purpose of this Chapter to bring about a public awareness of the problem and to effect a litter control program. |
| Litter on private property | Las Vegas | No person shall throw or deposit litter on any private property within the City, whether owned by such person or not, except in receptacles for collection in such manner that litter will be prevented from being carried or deposited by the elements upon any street, sidewalk or other public place or upon any private property. |
| Litter in public places | Las Vegas | No person shall throw or deposit or cause to be thrown or deposited in or upon any |</p>
<table>
<thead>
<tr>
<th>Code/Ord</th>
<th>Location</th>
<th>Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.12.070</td>
<td>Las Vegas</td>
<td>No person shall throw or deposit, or cause to be thrown or deposited, in or upon any street, sidewalk or other public place within the City any litter.</td>
</tr>
<tr>
<td>9.12.180</td>
<td></td>
<td>Any person who violates or fails to comply with any of the provisions of Sections 9.12.030, 9.12.050, 9.12.070 or 9.12.070 of this Chapter is guilty of a misdemeanor and, upon conviction, shall be punished by a fine of not less than fifty dollars nor more than five hundred dollars, imprisonment in the City Jail for not less than thirty days or more than six months, or both. Every day of such violation constitutes a separate offense.</td>
</tr>
<tr>
<td>10.04.040</td>
<td>Reno</td>
<td>It shall be unlawful for any person to deposit, throw, spill, or otherwise place in or upon any street, alley or highway, or public place in the city, any house refuse, offal, rubbish, garbage, dead animals, decaying vegetable or organic waste substance of any kind, and no putrid or decaying animal or vegetable matter shall be kept in any premises for more than twenty-four (24) hours.</td>
</tr>
<tr>
<td>5.10</td>
<td>Carson City</td>
<td>WHEREAS, Carson City has authority under NRS 244.187 to displace or limit competition for the collection and disposal of garbage and other waste and by granting</td>
</tr>
<tr>
<td>9.04.050</td>
<td>Clark County</td>
<td>It is unlawful for any person to: (a) Throw or deposit, or cause to be thrown or deposited, in any street, alley, gutter or highway within the limits of the county, any solid waste, hazardous waste or recyclables. (b) Throw or deposit, or cause to be thrown or deposited, any solid waste, hazardous waste, or recyclables upon private or public property or premises or into the containers of another person or entity, except as may be provided for in this chapter. (c) Place, deposit, or accumulate, or cause to be placed, deposited or accumulated, any solid waste, hazardous waste or recyclables in such a manner, or permit the same to remain on his or her premises, in such condition so that the same may be blown or carried over to public or other private property by any means whatsoever. (d) Throw or deposit or cause to be thrown or deposited any solid waste, hazardous waste or recyclables in any areas of the county not designated, authorized or licensed by the county for deposit of these materials. Identification of the owner of any solid waste which is disposed of in violation of this section creates a reasonable inference that the owner is the person who disposed of the solid waste. The fact that the disposal of the solid waste was not witnessed does not, in and of itself, preclude the identification of its owner.</td>
</tr>
<tr>
<td>Burning of solid waste or recyclables</td>
<td>Code 9.04.060</td>
<td>Clark County</td>
</tr>
<tr>
<td>Collecting or transporting solid waste and recyclables</td>
<td>Code 9.04.070</td>
<td>Clark County</td>
</tr>
<tr>
<td>Solid waste to be deposited only at authorized disposal sites</td>
<td>Code 9.04.290</td>
<td>Clark County</td>
</tr>
<tr>
<td>Free disposal of solid waste at authorized disposal sites</td>
<td>Code 9.04.300</td>
<td>Clark County</td>
</tr>
</tbody>
</table>
| Penalty for violation | Clark County | (a) Any person violating any of the provisions of this chapter shall be guilty of a misdemeanor and penalized as follows:

   (1) Upon conviction of a first offense shall be sentenced to pay a fine of not less than two hundred dollars nor more than one thousand dollars, and/or to imprisonment for not more than six months in the county jail.

   (2) Upon conviction of a second offense shall be sentenced to pay a fine of not less than five hundred dollars nor more than one thousand dollars and/or to imprisonment of not more than six months in the county jail.

   (3) Upon conviction of a third offense shall be sentenced to pay a fine of not less than one thousand dollars and be imprisoned for a minimum of ten days in the county jail, not to exceed six months.

(b) Every day that a violation occurs, exists, or is allowed to exist or continue shall constitute a separate offense.

| Rights of owners to dispose of recyclable materials | Clark County | Nothing in this chapter shall limit the right of any person to donate, sell, or otherwise legally dispose of his or her source-separated recyclable materials.

| Rights of county to dispose of solid waste | Clark County | Nothing in this chapter shall limit the right of the county to collect, transport, process or dispose of any solid waste, hazardous waste or recyclable material, including the operation of transfer stations and recycling centers.

| Removal of offensive materials required | Fallon | The removal of other offensive matter and substances shall be the responsibility of the property owner, the person having charge, control of or occupying the property, and shall not be allowed to be stored or accumulated in the city streets, alleys or upon any property within the corporate limits of the city.

<p>| Throwing, depositing or allowing to remain any garbage, trash or other offensive matter and substances is prohibited | Fallon | It is unlawful for any person to throw, deposit or allow to remain any garbage, trash or other offensive matter and substances upon any street, alley, public place or private premises within the city, or upon any city-owned property outside the corporate limits of the city, except in conformity with the provisions of Chapter 8.16. |</p>
<table>
<thead>
<tr>
<th>Code</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
</table>
| 8.16.130                                  | Fallon          | A. Burning of garbage shall not be allowed within the city limits. However, trash including such items as leaves, papers, dry weeds and similar clean-burning items may be burned by individual property owners, provided that adequate safety precautions are taken to assure no hazard or public nuisance. Ashes from burn barrels must be placed in a box or bag near the garbage can in order to be picked up. Burn barrels will not be dumped by the city.  
B. Burning shall be conducted only during daylight hours, on days approved by the city fire marshal.  
C. All burning conducted by other than single-family residents must be done in an incinerator which shall meet requirements as set forth by the city fire marshal, and shall be approved by the city engineer prior to construction. |
| 5.04.020                                  | Henderson       | No person shall throw or deposit litter on any occupied private property within the city, whether owned by such person or not, except that the owner or person in control of private property may maintain authorized private receptacles for collection in such a manner that litter will be prevented from being carried or deposited by the elements upon any street, sidewalk or other public place or upon any private property. |
| 5.04.030                                  | Henderson       | The owner or person in control of any private property shall at all times maintain the premises free of litter. Provided, however, that this section shall not prohibit the storage of litter in authorized private receptacles for collection.                                                                                                                                                                                                                                                   |
| 5.04.040                                  | Henderson       | No person shall throw or deposit litter on any open or vacant private property within the city whether owned by such person or not.                                                                                                                                                                                                                                                                                                                                                             |
| 5.04.070                                  | Henderson       | Any person violating any of the provisions of this chapter shall be deemed guilty of a misdemeanor. Each day such a violation is committed or permitted to continue shall constitute a separate offense and shall be punishable as such hereunder.                                                                                                                                                                                                                                                                                                      |
| 8.24.040                                  | North Las Vegas | No person shall throw or deposit or cause to deposit litter on any portion of private property within the city, whether owned by such person or not, except in receptacles for collection in such manner that litter will be prevented from being carried or deposited by the elements or otherwise upon any street, sidewalk or other public place or upon any |
| Litter in public places  
| Code 8.24.070 | North Las Vegas | No person shall throw or deposit, or cause to be thrown or deposited, in or upon any public place, sewer, storm drain, ditch, drainage canal, lake, river or tidal waterway |
| Violation—Penalty  
| Code 8.24.090 | North Las Vegas | Any person violating any of the provisions of this chapter shall be guilty of a misdemeanor and upon conviction thereof, be punished by a fine of not less than fifty dollars ($50.00) nor more than one thousand dollars ($1,000.00), and to be credited to a special fund to cover the cost of enforcement of this chapter. Any moneys derived thereafter will be credited to the general fund. Every day of such violation shall constitute a separate offense. Additionally, any person found guilty of violating this chapter shall be assessed court costs. |
## Anti-Litter

<table>
<thead>
<tr>
<th>Name of Organization</th>
<th>Type</th>
<th>Mission</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keep Las Vegas Beautiful</td>
<td>Nonprofit</td>
<td>The Keep Las Vegas Beautiful (KLVB) consortium, a Las Vegas affiliate of Keep America Beautiful, includes representatives from the City of Las Vegas, Republic Services, the University of Nevada-Las Vegas Recycling Program, Don't Trash Nevada, Nevada Conservation League, Southern Nevada Graffiti Coalition, the Southern Nevada Water Authority, Bank of Nevada, the Nevada Banker's Collaborative and the Nevada Department of Transportation. The Las Vegas affiliate will benefit from the established KAB framework for community education and hands-on stewardship that reduces litter and waste and promotes grassroots volunteerism, to make sustainable improvement.</td>
<td>CLV Neighborhood Services Las Vegas, NV 89101 <a href="mailto:lcampbell@lasvegasnevada.gov">lcampbell@lasvegasnevada.gov</a> 702.229.5406</td>
</tr>
<tr>
<td>Keep Truckee Meadows Beautiful</td>
<td>Nonprofit</td>
<td>Incorporated in 1989, Keep Truckee Meadows Beautiful is a private 501(c)3 nonprofit dedicated to creating a cleaner, more beautiful region through education and active community involvement. KTMB’s ten programs are supported by individual and community donations.</td>
<td>2000 Del Monte Ln Reno, NV <a href="mailto:staff@ktmb.org">staff@ktmb.org</a> 775-851-5185 <a href="http://ktmb.org/">http://ktmb.org/</a></td>
</tr>
<tr>
<td>Don't Trash Nevada</td>
<td>Nonprofit</td>
<td>Funding from the Southern Nevada Public Land Management Act led to the creation of the Take Pride in America in Southern Nevada Program in 2005 by the Southern Nevada Agency Partnership (SNAP). SNAP is comprised of the Bureau of Land Management, National Park Service, U.S. Fish &amp; Wildlife Service, and the U.S. Forest Service. SNAP has formed the Take Pride in America in Southern Nevada Team to lead a comprehensive and coordinated campaign to encourage clean-up efforts and discourage litter and illegal dumping in Southern Nevada.</td>
<td>4505 S. Maryland Pkwy Box 2040 Las Vegas, NV 89154 <a href="mailto:elizabeth.barrie@unlv.edu">elizabeth.barrie@unlv.edu</a> donttrashnevada.org</td>
</tr>
<tr>
<td>Great Basin Chapter of SWANA</td>
<td>Professional Association</td>
<td>Our Mission: &quot;Advancing the practice of environmentally and economically sound management of municipal solid waste in North America.&quot; SWANA's Guiding Principle: Local government is responsible for municipal solid waste management, but not necessarily the ownership and/or operation of municipal solid waste management systems.</td>
<td><a href="mailto:lbigham@converseconsultants.com">lbigham@converseconsultants.com</a> (775) 856-3833</td>
</tr>
<tr>
<td>Name of Organization</td>
<td>Type</td>
<td>Mission</td>
<td>Address</td>
</tr>
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</tr>
<tr>
<td>City of Las Vegas Senior Centers</td>
<td>City of Las Vegas</td>
<td>Park Ambassador Program: This program gives seniors the opportunity to be of service to the Las Vegas community. The Park Ambassadors greet park visitors, distribute information about the city’s recreational and natural areas, and enhance the visitor experience.</td>
<td>Multiple Las Vegas locations</td>
</tr>
<tr>
<td>Nature Conservancy Nevada Chapter</td>
<td>Nonprofit</td>
<td>From Red Rock Canyon to Pyramid Lake, The Nature Conservancy and its partners have been protecting Nevada’s Last Great Places since 1967. Help the Conservancy in Nevada by planting trees, pulling weeds, and other conservation efforts.</td>
<td>1 East First Street, Suite 1007 Reno, NV 89501</td>
</tr>
<tr>
<td>Friends of Red Rock Canyon</td>
<td>Nonprofit</td>
<td>The preservation, protection and enrichment of Red Rock Canyon National Conservation Area. With only three BLM staff assigned to Red Rock Canyon, our members volunteer thousands of hours each year assisting with graffiti removal, community volunteer events, trash pickup, trail maintenance, leading hikes, maintaining the Visitor Center grounds, staffing the information desk, monitoring cultural sites and sundry other tasks that need assistance.</td>
<td>P.O. Box 97, Blue Diamond, NV 89004</td>
</tr>
<tr>
<td>Outside Las Vegas Foundation</td>
<td>Nonprofit</td>
<td>The Outside Las Vegas Foundation's primary focus areas are connected trails and open space systems, conservation programs and outdoor education. The Foundation works with Southern Nevada citizens, the business community, educators, advocacy organizations and governmental entities to reach shared goals. The Foundation supports effective collaboration to solve environmental and social issues.</td>
<td>500 Pilot Road, Suite A Las Vegas, NV 89119</td>
</tr>
<tr>
<td>Nevada Land Conservancy</td>
<td>Nonprofit</td>
<td>The Nevada Land Conservancy is dedicated to preserving and protecting special places and open spaces in Nevada for future generations. With the help of members, volunteers, land owners, businesses and government agencies, we protect special places through acquisition, conservation, and restoration.</td>
<td>2000 Del Monte Lane, Reno, NV</td>
</tr>
<tr>
<td>Organization</td>
<td>Type</td>
<td>Information</td>
<td>Address</td>
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</tr>
<tr>
<td>Las Vegas Wash Coordination Committee</td>
<td>Nonprofit</td>
<td>The Las Vegas Wash Coordination Committee will evaluate all facts, issues, and concerns regarding the Las Vegas Wash in order to develop and implement a practical, comprehensive approach for managing the Wash in a timely manner. Volunteers can help the Wash by: preventing pollution, volunteering for a planting event, or</td>
<td>100 City Parkway, Suite 700 Las Vegas, NV 89106</td>
</tr>
<tr>
<td>Friends of Nevada Wilderness</td>
<td>Nonprofit</td>
<td>Friends of Nevada Wilderness is dedicated to preserving all qualified Nevada public lands as wilderness, protecting all present and potential wilderness from ongoing threats, educating the public about the values of and need for wilderness, and improving the management and</td>
<td>PO Box 9754 Reno, NV 89507 <a href="mailto:info@nevadawilderness.org">info@nevadawilderness.org</a></td>
</tr>
<tr>
<td>Eastern Nevada Landscape Coalition</td>
<td>Nonprofit</td>
<td>The Eastern Nevada Landscape Coalition was created to restore the dynamic, diverse, resilient landscapes of the Great Basin for present and future generations.</td>
<td>1500 Ave. F Suite A. Ely, NV 89301 <a href="mailto:enlc@sbcglobal.net">enlc@sbcglobal.net</a></td>
</tr>
<tr>
<td>Project Green</td>
<td>City of Henderson</td>
<td>The goal of the five-phase project is to protect and restore one of the few remaining large areas of natural habitat in the Green Valley area. The end result of the restoration will be a useable resource that will enhance the entire community. In order to achieve the goal, Volunteers, Sponsors, and City of Henderson Project GREEN staff will: Replace Tamarisk with native plant species - Reestablish</td>
<td><a href="mailto:curt.chandler@cityofhenderson.gov">curt.chandler@cityofhenderson.gov</a></td>
</tr>
<tr>
<td>Keeping it Green</td>
<td>City of Reno</td>
<td>The City of Reno has embraced the idea of to becoming the next &quot;Green&quot; city of the West. One of the Reno City Council's priorities is to ensure that the city is doing everything it can to reduce it’s impact on the environment and improve it’s residents quality of life. “Green”, or sustainability, doesn’t just benefit the environment. It also benefits a community’s health and economy. The city hopes to partner with it’s citizens and provide leadership in</td>
<td><a href="mailto:geddesj@reno.gov">geddesj@reno.gov</a></td>
</tr>
</tbody>
</table>
| greeNLV | City of North Las Vegas | What is “greeNLV”? North Las Vegas is a City that…has HOPE!  
• Harnesses alternative energy  
• Offers smart, sustainable and “well-planned”, quality growth |  |
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>American Land Conservancy- Great Basin</td>
<td>Nonprofit</td>
<td>ALC has already conserved more than 80,000 acres in Nevada and along the Eastern Sierra. Our Great Basin Program aims to conserve additional open space, natural resources, critical habitat, and productive rangelands that</td>
<td>1478 4th Street # B, Minden, NV 89423</td>
</tr>
</tbody>
</table>
| Friends of Black Rock High Rock | Nonprofit | The Friends of Black Rock High Rock helps manage the resources of the Black Rock Desert region and educates the public to foster stewardship and preserve its unique | 380 Main Street  
Gerlach, Nevada  
89412 |  |
| The Trust for Public Land - Nevada | Nonprofit | In Nevada's high-growth areas, conservation planning is critical to ensuring that neighborhoods maintain access to green space even as they expand. To foster more livable communities, The Trust for Public Land helped the City of Las Vegas purchase new sites for pocket parks along the Los Vegas Wash regional trail. TPL's conservation work has protected more than 13,000 acres across Nevada, including more than 5,000 acres added to Humbolt- |  | info@tpl.org |
| Nevada Wildlife Federation | Nonprofit | Nevada Wildlife Federation (NvWF) is the state's oldest nonprofit, conservation organization. Sportsmen who founded NvWF in 1951 created the organization as a leading voice on issues that affect our wildlife, wetlands, lakes, streams, forests, ranges and all other priceless natural resources. The federation represents the views of hunters, fisherman and anyone who deeply cares about our wildlife and wild lands. NvWF is not affiliated with any | PO Box 71238  
Reno, NV 89570 | nvwf@nvwf.org |
Northeastern Nevada Stewardship Group

Nontprofit

As the Northeastern Nevada Stewardship Group, we appreciate opportunities which allow us to live and work in Northeast Nevada; Natural resources which enable local prosperity; Productive ecosystems which provide healthy environments and quality lifestyles; Our western heritage, culture and customs. Therefore: In order to ensure a better future for our families, community and future generations. To build trust among our diverse citizenry, and to ensure sustainable resource use. We join together as full partners to provide a collaborative forum for all willing participants.

Po Box 1677
Elko, Nevada 89803
## Education

<table>
<thead>
<tr>
<th>Name of Organization</th>
<th>Type</th>
<th>Mission</th>
<th>Address</th>
<th>E-mail</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Las Vegas Chamber of Commerce</td>
<td>Private</td>
<td>The Green Roots program is a tiered program that gives members the tools and resources to launch, cultivate and expand the green efforts of their businesses. You can</td>
<td>6671 Las Vegas Blvd. South, Suite 300, Las Vegas, NV</td>
<td><a href="mailto:jratcliffe@lvchamber.com">jratcliffe@lvchamber.com</a></td>
<td>(702) 641-5822</td>
</tr>
<tr>
<td>Las Vegas Green Chamber of Commerce</td>
<td>Private</td>
<td>The Las Vegas Green Chamber of Commerce is here to promote and support Eco-conscious businesses in Clark County, provide networking opportunities, educate the</td>
<td>2300 W. Sahara Suite 800 Las Vegas, NV</td>
<td><a href="mailto:info@lvgreenchamber.com">info@lvgreenchamber.com</a></td>
<td>702-856-4501</td>
</tr>
<tr>
<td>Sierra Club Toiyabe Chapter</td>
<td>Nonprofit</td>
<td>The Sierra Club has been working to protect communities, wild places, and the planet itself. We are the largest and most influential grassroots environmental organization in the</td>
<td>PO Box 8096 Reno, NV 89507</td>
<td><a href="mailto:webmaster@toiyabe.sierraclub.org">webmaster@toiyabe.sierraclub.org</a></td>
<td>(702) 363-3267</td>
</tr>
<tr>
<td>Nevada Conservation League</td>
<td>Political</td>
<td>The Nevada Conservation League works with our supporters, public interest groups, businesses, labor organizations, government agencies and many others to promote sensible conservation policies through</td>
<td>7473 West Lake Mead Blvd Ste. 100, Las Vegas, NV 89128</td>
<td></td>
<td>702-562-8147</td>
</tr>
<tr>
<td>Springs Preserve</td>
<td>Nonprofit</td>
<td>The Springs Preserve is a 180-acre cultural institution designed to commemorate Las Vegas' dynamic history and to provide a vision for a sustainable future. The Preserve features museums, galleries, outdoor concerts and events, colorful botanical</td>
<td>333 S. Valley View Blvd. Las Vegas, Nevada</td>
<td></td>
<td>702-822-7700</td>
</tr>
<tr>
<td>Desert Research Institute</td>
<td>Nonprofit</td>
<td>DRI is the environmental research arm of the Nevada System of Higher Education. DRI conducts cutting-edge applied research in air, land and life, and water quality across</td>
<td>Multiple Locations Across State</td>
<td></td>
<td>775.673.7300</td>
</tr>
<tr>
<td>Organization</td>
<td>Type</td>
<td>Address</td>
<td>Contact Information</td>
<td>Phone</td>
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<tr>
<td>U.S. Green Building Council Nevada Chapter</td>
<td>Nonprofit</td>
<td>PO Box 96473 Las Vegas, NV 89193</td>
<td><a href="mailto:info@usgbcnv.org">info@usgbcnv.org</a></td>
<td>(702) 952-2468</td>
<td></td>
</tr>
<tr>
<td>Public Lands Institute</td>
<td>Nonprofit</td>
<td>RAJ 280, Box 452040 4505 S. Maryland Pkwy Las Vegas, Nevada 89154</td>
<td>702-895-4678</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mojave Max</td>
<td>Clark County</td>
<td>148 West St, Suite B Reno, NV 89501</td>
<td><a href="mailto:kaitlin@nevadaeconet.org">kaitlin@nevadaeconet.org</a></td>
<td>(775) 323-3433</td>
<td></td>
</tr>
<tr>
<td>Nevada EcoNet</td>
<td>Nonprofit</td>
<td>148 West St, Suite B Reno, NV 89501</td>
<td><a href="mailto:kaitlin@nevadaeconet.org">kaitlin@nevadaeconet.org</a></td>
<td>(775) 323-3433</td>
<td></td>
</tr>
</tbody>
</table>

The U.S. Green Building Council - Nevada Chapter is a 501(c)(3) non-profit organization and has been an organizational leader in Nevada for green building and sustainability since 2003. We are the local voice of the U.S. Green Building Council and chapter members are key to raising awareness about green building in Nevada. Our core values of

As a catalyst for collaboration and change, the Public Lands Institute is committed to developing effective solutions for public land management and stewardship that are essential for the protection, multiple use, sustainability, and management of public lands. The Institute works in collaboration

Mojave Max became part of the Spokes tortoise for the Clark County Desert Conservation Program in 1995. The mascot informs people about native species, what

Nevada EcoNet is a 501(c)3 non-profit corporation organized in 1990 to serve as a primary source of environmental information and education to the Northern Nevada community. At Nevada EcoNet, we strive to fulfill our commitment to providing the community environmental education and awareness through the public services such as: Earth Day, the Green Guide, the Golden
<table>
<thead>
<tr>
<th>Organization</th>
<th>Type</th>
<th>Description</th>
<th>Locations</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nevada Wilderness Project</td>
<td>Political</td>
<td>The Nevada Wilderness Project is a catalyst for wildlife habitat conservation, wilderness preservation, and smart development of renewable energy. Since 1999, we have successfully led statewide campaigns to protect more than 3 million acres as</td>
<td>2 locations: 1) 8550 White Fir St. Reno, NV 89523 2) 7465 West Lake Mead Blvd Suite #105 Las Vegas NV 89128</td>
<td>1) (775) 746-7850 2) 702-562-1271</td>
</tr>
<tr>
<td>Washoe-Storey Conservation District</td>
<td>Nonprofit</td>
<td>The Washoe-Storey Conservation District creates understanding of the interrelationships between people and our environment through educating our citizens and building opportunities and partnerships</td>
<td>1365 Corporate Blvd. Reno, NV 89502</td>
<td><a href="mailto:wscd.grants@ymail.com">wscd.grants@ymail.com</a> (775) 857-8500</td>
</tr>
<tr>
<td>North Tahoe Preservation Alliance</td>
<td>Nonprofit</td>
<td>Our mission is to preserve the natural beauty and rustic character of the North Shore of Lake Tahoe. To perpetuate our easygoing lifestyle within this wild environment without</td>
<td>PO Box 5 201 Sateline Rd. Crystak Bay, NV 89402</td>
<td><a href="mailto:preserce@ntpac.com">preserce@ntpac.com</a> 775-831-0685</td>
</tr>
<tr>
<td>Name of Organization</td>
<td>Type</td>
<td>Mission</td>
<td>Address</td>
<td>E-mail</td>
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</tr>
<tr>
<td>Rebel Recycling</td>
<td>Nonprofit</td>
<td>The Rebel Recycling Program is committed to providing the campus with comprehensive waste reduction, recycling, and resource management in an efficient, timely manner. The foundation of our</td>
<td>4505 S. Maryland Pkwy Box 451013 Las Vegas, NV 89154</td>
<td><a href="mailto:tara.pike@unlv.edu">tara.pike@unlv.edu</a></td>
</tr>
<tr>
<td>CELEBRATE Employee Program</td>
<td>City of Las Vegas</td>
<td>CELEBRATE is an employee-based effort to increase the sustainability and efficiency of city’s day-to-day operations. Employees regularly share their information, ideas and projects within and across departments. CELEBRATE started as a</td>
<td>400 Stewart Avenue Las Vegas, NV 89101</td>
<td></td>
</tr>
<tr>
<td>Greener Vegas</td>
<td>Nonprofit</td>
<td>Greener Vegas is a nonprofit organization that collects unwanted materials &amp; repurposes non-recyclable products &amp; materials to local public</td>
<td>3350 W. Ali Baba Ln. Las Vegas, NV 89118</td>
<td><a href="mailto:info@greenervegas.org">info@greenervegas.org</a></td>
</tr>
<tr>
<td>Nevada Recycles</td>
<td>State of Nevada</td>
<td>The Nevada Division of Environmental Protection (NDEP) is working to reduce waste generation and increase recycling throughout Nevada. Staff from NDEP are cooperatively working with local jurisdictions and recyclers around the state to promote increased recycling. Currently every county in Nevada is diverting some quantity of recyclable materials from being land filled. One of our goals is to assist counties in their efforts to</td>
<td></td>
<td><a href="mailto:jvittori@ndep.nv.gov">jvittori@ndep.nv.gov</a> (Northern NV) <a href="mailto:kfergus@ndep.nv.gov">kfergus@ndep.nv.gov</a> (Southern NV)</td>
</tr>
<tr>
<td>Nevada Energy</td>
<td>Private</td>
<td>NV Energy is committed to supporting programs and organizations that foster a safe and sustainable environment and address concerns such as renewable resources, energy conservation, air, land and water quality, wildlife habitat, open space, parks and trails and waste recycling. We not only support existing projects, programs and organizations that</td>
<td>6226 West Sahara Avenue Las Vegas, Nevada 89146</td>
<td><a href="mailto:customerservice@nevadaenergy.com">customerservice@nevadaenergy.com</a></td>
</tr>
</tbody>
</table>


| Blind Center of Nevada PC Recycle Center | Nonprofit | Let the our PC Disposal department manage the removal and recycling of obsolete computers and equipment. Electronic products can contain over a dozen hazardous or toxic materials. The cathode ray tube (CRTs) in monitors can be up to 27 percent lead, and in a form that can leach into the water table if dumped in a landfill. Other chemicals such as cadmium and lithium (in rechargeable batteries), mercury (in switches and lamps) as well as chromium and antimony can be found in | 1001 N. Bruce Street Las Vegas, NV 89101 |
| Repurpose America | Nonprofit | Repurpose America partners with convention association, show management, general contractors, exhibitors, and organizations to complement and complete the recycling process by repurposing materials which cannot be recycled. Our services increase revenues and decrease expenses for our clients, benefiting the community and environment by diverting hundreds of | 4606 Andrew St. Suite 1 North Las Vegas, Nevada, 89081 |
Contents

3 Welcome & Setting Context
4 Setting the Stage for the Greater Good
8 Seeing Past the Obvious
11 The 3-Year Leap
16 Making It Real
Participants

Delmo Andreozzi  City of Elko
Beth Barrie  UNLV / Don’t Trash Nevada
George Bertoty  Southern Nevada Health District
Allen Biaggi  Nevada Mining Association
David Bobzien  Nevada State Assembly
Jeff Brigger  Nevada Energy
Paige Brooks  City Council Winnemucca
Christi Cakiroglu  Illegal Dumping Task Force
Lisa Cambell  Keep Las Vegas Beautiful
Bob Coyle  Republic Services
David Frommer  University of Nevada Las Vegas
Diedre Kennelly  Keep Truckee Meadows Beautiful
Kate Hanson  SNAP Board
John Mosely  Pyramid Lake Paiute Tribe
Catherine Muir  Spring Preserve
Betty Hollister  Regional Flood Control
Connie Mancillas  Nevada Tourism Council
Erika Schumacher  U.S. Bureau of Land Management
Chet Sergent  Nevada Division of Environmental Protection
Becky Stock  Nevada Land Conservancy
Morgan Tiar  GreNO
Bill Von Puhl  Truckee Meadows Trails Association
John Deuel  GreenQuest, LLC, Facilitator
Betty Plevney  Plevney & Company, Graphic Facilitator
Welcome to Nevada Project Mission Exploration

Erika Schumacher of the U.S. Bureau of Land Management welcomed us to this mission exploration on litter in the state of Nevada.

Beth Barrie of the Public Lands Institute provided background on how the idea of exploring a statewide mission came about. In addressing future planning for the SNAP (Southern Nevada Area Partnership) Anti-Litter and Desert Dumping team, it became clear that there may be common needs and opportunities to explore collaboration among broader range of stakeholders.

Our Expectations
We shared a few of expectations for this session.
• What are other agencies doing across the state?
• Learn! Learn!
• Would a statewide agency enhance our efforts?
• Better communication and coordination
• Actionable, positive results we can see a way toward and collaborate on

My Passion About Litter
Each participant offered three words to describe why they are passionate about litter
• Six generations ahead
• For the environment
• Keep Nevada clean
• My backyard
• Enjoyment of community
• Couches! Tires! Television!
• Children, love, sanctuary
• Love the outdoors
• Litter is ugly
• Because I care
• Litter angers me
• Preserving natural resources
• Sustainability, fairness, beauty
• Educating our youth
• My child’s future
• For my kids
• Community united together
• Creating sustainable future
• I do care!
• No dog poop walk
• Fell into it
• Reduce, reuse, recycle
• Local neighborhood trashman
So what do we mean by “litter” anyway? This term often covers a range of meaning. For purposes of this discussion we considered litter to be solid waste that is out of place. Within that falls hazardous waste, refuse and non-putrescibles. We considered dumping to be large quantities dumped more intentionally and with expedience.

We discussed a wide variety of work undertaken by the many players within Nevada’s world of litter. There were many facets to the work in education so we broke those down into more detail.

**Education**
- Organized school programs on litter prevention
- Variety of programs offered across agencies including student education
- Educating judges

**Education Programs Provided by:**
- Regional flood control district
- Keep Las Vegas Beautiful
- Illegal Dumping Taskforce – Washoe County
- Keep Truckee Meadows Beautiful (KTMB)
- Nevada Division of Environmental Protection (NDEP)
  - National WET program used by NDEP
  - Bureau of Waste Management
- Waste Warriors

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**Setting the Stage for the Greater Good**
Setting the Stage for the Greater Good

Federal
- Adopt programs
  - Highway clean-up
- USEPA under RCRA
- Land Management Agencies
  1. BLM
  2. U.S. Fish & Wildlife
  3. Forest Service
  4. National Park Service

State
- Sponsor Programs: NDOT
- Nevada Rural Water Control

Local
- Adopt Programs
- Municipal / County Code Enforcement
  - City of Las Vegas Code Enforcement
  - County
- Sparks Parks & Recreation (and many city Parks & Rec)
- Washoe County
- Washoe County Health District
- Public Works
- Municipal Law Enforcement – Sheriff Departments
- Tribal governments
- Keep Las Vegas Beautiful
- Southern Nevada Health District

Private Companies
- Independent waste haulers
- Republic services
- Waste Management
- Boulder City Disposal
- Virgin Valley Disposal
- Union-Pacific Railroad
- MGM
- REI
- NV Energy
- Patagonia

NGOs & Private Groups
- Municipal litter prevention programs
- Neighborhood Watch groups and advisory boards and homeowners associations
- KTMB
- United Way
- Land Conservancy groups
- “Friends” groups
- Trout River Clean-Up
- Off-highway Vehicles (OHV) Recreational Off-Road groups
- Mountain bikers – Poedunks

Institutions
- University of Las Vegas
- Other educational institutions

Judicial System
- Are the arms behind the law

We also identified those players and programs within Nevada’s world of litter with which we were familiar. A complete listing was made available from a recent survey.
Setting the Stage
for the Greater Good
We continued to search for the edges of what we know and expand our knowledge by exploring what has worked well about the current context and what opportunities, both big and small, are emerging.

Seeing Past the Obvious

Works Well
- Make it easy to properly dispose
- Unlimited disposal
- Community efforts
- People are engaged
- Many organizations are interested in helping
- Southern Nevada Hearings Officer Program
- KTMB Illegal Dumping Task Force
- Washoe County residential dump days (bulk trash days)
- Keep AB Waste Warriors
- Relationships with Federal agencies
- Reno / Sparks collaboration
  - Quarterly meetings with smaller work groups on action items
- School outreach
  - Clark County focused efforts
  - Reno very successful
- Using partnerships that have resources

- Volunteer programs
- Ongoing clean-ups and annual clean-ups
- School service requirement
- Education – sustainability, littering
  - K-12 particularly
  - Higher ed. sustainability initiatives
- Recycling programs in schools
- Cultured shift to sustainability
- Tribal government and county government working together well
- EPA supportive of tribal government, especially with grants, documentation
- County and State have good communication
- Public entities providing more opportunity to recycle, properly dispose
- Residential bulk pick-ups
- E-waste recycle
- Administrative hearings for dump violations

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Opportunities

- Tie landfill dumping receipts to business license
- Improved communication between government entities
  - Building permits, dumping receipts required; Accountable to Health District
- Dump enforcement attached to business license
- Statewide illegal dump site map
- Better differentiate between Litter vs. dumping
- Better understand dumping; Characterize waste that has been dumped
- Expand statewide residential dump days (bulk trash days)
- Bulky items; Confusion about what items can be dumped and where
- Improve residential bulk pick-up
- Study of the “bottle bill”; pilot study of effectiveness
- Creating an umbrella organization to include all stakeholders
- Statewide branding of our message; increase awareness
- Growing partnerships
- Funding opportunities through partnerships
- Don’t meet just to meet, get action / focus with partnerships
- Find resources
  - People or money
- Cross-sharing information
  - Clark
- Volunteer opportunities
- More outreach and education
- Statewide education program
- Standardized curriculum
- Educational incentives through grants
- Strengthen connection between curriculum providers and curriculum receivers
- Recycling programs in schools could be strengthened by requiring participation
- Annual clean-ups
- Reach 25% recycling rate for municipalities over 100,000
- Statewide PSA campaign
- Recycling opportunities
- Create a Hearing Officer program in Northern Nevada
- Administrative – District Court collaboration
- Strengthen public health component
Seeing Past the Obvious
### Unique Service & Audience

**Increase Residential Disposal & Recycling Opportunities**
- Curbside pickup of everything
  - Residential customers
- Free household hazardous waste drop-off
  - All Nevadans
- Single stream recycling
  - Residential
- Amnesty program for foreclosure home items
  - Former homeowners who cannot afford Solid Waste Services
- More community based composting facilities
  - Residential & Commercial
- Increase availability of disposal sites
  - Multi-family residents

**Increase Commercial Disposal Options**
- Increase availability of disposal sites
  - Commercial small-load users; contractors
- Recycle construction debris
  - Contractors
- Commercial recycling centers for construction debris and green waste
  - Remodeling, carpeting, roofing, window replacement, heating & air conditioning and landscape maintenance companies

### Capacity Building
- Provide models of what works to other communities
- Creating a statewide alliance for litter, dumping, recycling, waste stream, legislation
- Information Sharing Portal – Portal has multiple layers, e.g., Clean-Up, Education, enforcement
  - Government entities, communities, everyone
- Public is proactive – providing method of reporting and empowering population to act on dumping
- Network to change mindset
  - Everyone
- Appreciate resources
  - Education / educators

### Targeted Education & Engagement of New Partners (e.g., NRA)
- “Shoot at Targets, Not at Trash”
  - Program to raise awareness among shooters
- Outreach to unlikely partner groups (NRA, OHVs)
  - Other organizations not currently involved
- In cooperation with Nevada Mining Association, have an anti-litter campaign in rural NV
  - Smaller counties within Nevada

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We stretched our current thinking by telling stories of how the world might look in 2014 and what unique services that a new statewide collaboration could provide and to what audience.
The 3Year Leap

<table>
<thead>
<tr>
<th>Unique Service &amp; Audience</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Know Where We Are – Measure &amp; Report</strong></td>
</tr>
<tr>
<td>• Track dumping demographic for education campaign</td>
</tr>
<tr>
<td>- Consequences and impact shared with all stakeholders; Policy makers</td>
</tr>
<tr>
<td>• Inventory and analysis of current regulations</td>
</tr>
<tr>
<td>- Policy makers</td>
</tr>
<tr>
<td>• Statewide mapping of dump sites and waste characteristics; Litter and dumping coordinators</td>
</tr>
<tr>
<td><strong>Increase Volunteer Opportunities</strong></td>
</tr>
<tr>
<td>• New statewide event: The Great Nevada Clean-Up</td>
</tr>
<tr>
<td>- All Nevada residents</td>
</tr>
<tr>
<td>• Volunteer opportunities – community education</td>
</tr>
<tr>
<td>- Public</td>
</tr>
<tr>
<td>• Clean-up events</td>
</tr>
<tr>
<td>- Organizing volunteer groups across the state</td>
</tr>
<tr>
<td><strong>Develop New Funding &amp; Fundraising</strong></td>
</tr>
<tr>
<td>• Recruit sponsors</td>
</tr>
<tr>
<td>- Business</td>
</tr>
<tr>
<td>• Collaborative fundraising</td>
</tr>
<tr>
<td>- Collaborative members and community</td>
</tr>
<tr>
<td>• Connect business to passionate public audience and the litter needs</td>
</tr>
<tr>
<td>- Businesses</td>
</tr>
<tr>
<td><strong>Educate Policy Makers</strong></td>
</tr>
<tr>
<td>• Education</td>
</tr>
<tr>
<td>- Policy makers</td>
</tr>
<tr>
<td>• Improved statewide recycling</td>
</tr>
<tr>
<td>• Advocacy</td>
</tr>
<tr>
<td>- Policy makers</td>
</tr>
<tr>
<td><strong>Standardize Waste Industry Standards</strong></td>
</tr>
<tr>
<td>• Mandatory solid waste services in all of NV</td>
</tr>
<tr>
<td>- All NV residents; municipalities; solid waste haulers</td>
</tr>
<tr>
<td>• Consistent waste hauler regulations throughout NV</td>
</tr>
<tr>
<td>• Coordinated efforts of recycling and waste disposal on a statewide level</td>
</tr>
<tr>
<td>• Enforcement and consequences for illegal dumping</td>
</tr>
<tr>
<td>- NV businesses</td>
</tr>
<tr>
<td><strong>Educating Youth</strong></td>
</tr>
<tr>
<td>• Standardized education program for schools</td>
</tr>
<tr>
<td>- Children</td>
</tr>
<tr>
<td>• After-school program</td>
</tr>
<tr>
<td>- Students, parents, teachers, community</td>
</tr>
<tr>
<td>• Education</td>
</tr>
<tr>
<td>- Youth</td>
</tr>
<tr>
<td>• Anti-litter education module that fits with STEM common core academic standards</td>
</tr>
<tr>
<td>- Teachers, students</td>
</tr>
</tbody>
</table>
### The 3 Year Leap

#### Unique Service & Audience

**Educate, Motivate & Engage the Public to Action**

- **Education**
  - General public
- **Education and involvement**
  - Trans / other / new residents of community
- **Common message on anti-littering and dumping statewide**
  - Tourists and residents
- **On-line resource for NV residents in regards to recycling, disposal and the waste stream**
  - All NV residents
- **Education and social networking (i.e., Clean-Up this Saturday)**
  - Social media users
- **Unified mission**
  - The people here in this session; Other statewide stakeholders
- **Branding of mission**
  - General public
- **Stronger awareness of the litter and dumping issues**
  - Encouragement to get involved
- **Link conversation message**
  - Statewide
- **Utilizing NGO’s to engage communities**
  - Local, statewide, federal
- **Develop sense of pride for tourists and residents – community pride campaign**
- **Civic stewardship and pride of ownership**
  - Statewide
- **Community pride campaigns**
  - Adults & children

#### Success Looks Like…

- Accurately feedback to stakeholders information on resources, curriculum, characterization of waste, etc.
  - an Inventory!
- Uniform education approach
- More engaged public – we can measure this
- Statewide database to track progress (multiple factors are built into this) that has x% of stakeholders inputting database
  - Designated, committed representation
- Common acknowledgment on our brand message that is widely understood and rallied to
The 3 Year Leap
The 3 Year Leap

INCREASE COMMERCIAL & RESIDENTIAL DISPOSAL & RECYCLING OPPORTUNITIES
- Establish best practices for statewide disposal options
- Negotiate contracts with a choice of increased rates
- Lobby legislators and local “rule makers” to adopt standards requiring provision of broad access to household-generated waste.

INCREASE VOLUNTEER OPPORTUNITIES
- Encourage businesses to require service projects of their employees
- Consistent opportunities for volunteerism
- Statewide volunteer projects (a statewide flash mob?)
- Do outreach to companies/corporations statewide
- Create partnerships in counties statewide to expand local events/programs to all Nevada

DEVELOP NEW FUNDING & FUNDRAISING
- Adequate support for local & state programs
- Conduct survey of current resources
- Fundraisers: see results, i.e., we’ve built awareness through tangible results (the clean-up stays clean)
- Educate stakeholders, e.g., gaming tourism/mining, that it will benefit them.

STANDARDIZE WASTE INDUSTRY STANDARDS
- Increase proper disposal and decrease illegal dumping
- Increase awareness of access to disposal, e.g., RSSN customers can dispose household solid waste (large item pickup in their neighborhood)
- Multi-lingual awareness campaign
- Educate policy makers
- Accountability for targeted industries based on character sheet waste that is illegally dumped, e.g., landscape companies provide dummy tickets for business license renewal
- Create a network of policy makers to evangelize to others (Mike Haley example)
- Inventory problem
- Demonstrate profit loss of addressing problem, i.e., identify the cost of illegal dumping: (1) profit to disposal and (2) cost savings to public entities

EDUCATE, MOTIVATE & ENGAGE THE PUBLIC ACTION
- Empower public to act and participate
- Ownership to Community or resources
- Demonstrate value or loss to property values due to dumping or litter
- Inventory problem

EDUCATE YOUTH
- Entering classrooms in identified rural counties
- Distribute recycling/waste reduction curriculum throughout the state
- Provide recycling opportunities in schools and educate the negative consequences of illegal dumping

KNOW WHERE WE ARE - MEASURE & REPORT
- Statewide database to track progress where all entities are participating in data reporting
- Coordination among all entities for data reporting to a single entity
- Create a statewide illegal dump site map; establish a baseline to track changes
- Conducting a statewide litter index
- Checks and balances i.e., annual reports of dump sites/litter
- Create a standardized way of reporting data
It’s now 2013, and the 3 Year Leap has been completed. A statewide collaboration in litter has achieved everything it hoped for and more. So what did we do and how did we do it? How did we “make it real”?

### Making it Real

#### WHAT We Have Achieved & Created

| Increase Commercial & Residential Disposal & Recycling Opportunities | • Establish best practices for statewide disposal options  
• Renegotiate contracts with a chance of increased rates  
• Lobby legislators and local “rule makers” to adopt standards requiring provision of broad access to household-generated waste |
| Increase Volunteer Opportunities | • Consistent opportunities for volunteerism  
• Statewide volunteer projects (a statewide flashmobs!)  
• Encourage businesses to require service projects of their employees |
| Develop New Funding & Fundraising | • Adequate support for local and state programs  
• Conduct survey of current resources  
• Fundraisers see results, i.e., we’ve built awareness through tangible results (the cleaned-up area stays clean)  
• Educate stakeholders, e.g., gaming / tourism / mining, that it will benefit them |
| Standardize Waste Industry Standards | • Increase proper disposal and decrease illegal dumping  
• Increase awareness of access to disposal, i.e., RSSN customers can dispose household solid waste (large item pickup in their neighborhood)  
• Multi-lingual awareness campaign |
| Educate Policy Makers | • Accountability for targeted industries based on characterized waste that is illegally dumped, e.g., landscape companies provide dump tickets for business license renewal  
• Create network of policy makers to evangelize to others (Mike Haley example)  
• Inventory the problems  
• Demonstrate profit and loss impacts of addressing (or not addressing) problems, i.e., identify the real cost of illegal dumping to taxpayers. (1) profit to disposal and (2) cost savings to public entities |
| Educate, Motivate & Engage the Public to Action | • Empower public to act and participate  
• Sense of ownership to community or the natural resource  
• Demonstrate value or loss to property values due to dumping or litter  
• Inventory problem |
### Making it Real

**WHAT We Have Achieved & Created**

<table>
<thead>
<tr>
<th>Know Where We Are – Measure &amp; Report</th>
</tr>
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<tbody>
<tr>
<td>Statewide database to track progress where all entities are participating in data reporting</td>
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<table>
<thead>
<tr>
<th>Targeted Education &amp; Engagement of New Partners</th>
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</thead>
<tbody>
<tr>
<td>Identify five new target audiences, e.g., labor unions, NRA</td>
</tr>
<tr>
<td>A clearly understood message for each</td>
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</table>

<table>
<thead>
<tr>
<th>Educating Youth</th>
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<tbody>
<tr>
<td>Access and engagement in classrooms in identified rural counties</td>
</tr>
<tr>
<td>Greater recycling opportunities in the schools and more education about the negative consequences of illegal dumping</td>
</tr>
</tbody>
</table>

**HOW We Have Accomplished This**

<table>
<thead>
<tr>
<th>Know Where We Are – Measure &amp; Report</th>
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<tbody>
<tr>
<td>Coordination among all entities for data reporting to a single entity for compiling and reporting back</td>
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<table>
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<tr>
<th>Targeted Education &amp; Engagement of New Partners</th>
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</thead>
<tbody>
<tr>
<td>Reach out to stakeholders through association meetings</td>
</tr>
<tr>
<td>Engage though education and volunteer opportunities</td>
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<table>
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<td>Distribute recycling and waste reduction curriculum throughout the state</td>
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</table>
Appendix C
Database Schema
The outline to the left represents a possible SharePoint implementation to allow Agency, Volunteers and the Public to participate in the trash cleanup collaboration site.

Agency would be made up of two groups, Staff and Stakeholders. Rights to access, view and publish information will managed on a case by case basis but being in this group does not provide for full rights.

Volunteers are made up of agency approved volunteers who would use the solution to both request to be included as volunteers in agency efforts along with submitting results of cleanup efforts.

Public would be the general public who could view information on Nevada cleanup along with submitting sittings while also learning about the program.

Key to what shapes mean:
- **GROUPS**
- **DECISION**
- **DATABASE**
- **WEB PAGE**
- **DATA/FORM**