

VALLEY
FORWARD
ASSOCIATION

IN PARTNERSHIP WITH

SRP

PRESENTS THE

30TH ANNIVERSARY
ENVIRONMENTAL EXCELLENCE AWARDS

AWARDS BOOK



VALLEY FORWARD ASSOCIATION

AND

SRP

APPRECIATE YOUR ATTENDANCE AT THE

2010
ENVIRONMENTAL EXCELLENCE AWARDS

THE PHOENICIAN RESORT
SCOTTSDALE, ARIZONA

OCTOBER 2, 2010

ABOUT THE AWARDS

Valley Forward Association initiated the Environmental Excellence Awards in 1981 to recognize outstanding contributions to the physical environment of Valley communities. The program has grown significantly and now serves as a benchmark for promoting livable communities, conserving natural resources and sustaining our unique desert environment for future generations.

SRP joins us as title partner of this prestigious event for the ninth consecutive year. The nation's oldest reclamation project, SRP is a founding member of Valley Forward and continues its centennial heritage of environmental leadership.

We received more entries than ever before in this year's competition, demonstrating the priority of sustainable design and development in our community. Submittals encompassed the following categories: buildings and structures, livable communities, site development and landscape, art in public places, environmental technologies, environmental education/communication and environmental stewardship.

A professional panel of jurists identified a maximum of two Awards of Merit and one coveted first-place Crescordia winner per category. The President's Award was selected from among Crescordia recipients and is presented to an organization or individual that has had a special impact on the environment.

Valley Forward has a rich history of advocating a balance between economic growth and environmental quality. Since the Association's inception in 1969, we have brought business and civic leaders together to convene thoughtful public dialogue on regional issues and to improve the sustainability of Valley communities. Our membership is diverse and includes the Valley's most prominent large corporations and small businesses, municipalities and other government agencies, educators, non-profits and a host of concerned citizens.



THE CRESCORDIA

Since Valley Forward's introduction of the Environmental Excellence Awards program, the coveted Crescordia – a Greek term that means “*To Grow in Harmony*” – has been given as the highest honor in each category.

JUDGING

The following individuals gave freely of their time to judge the entries:

Lead Judge

JOHN KANE

*Design Principal
Architekton*

Mike Cooley

*Supervisor, Industrial Design
General Dynamics*

Laurel Kimball

*President
The Greenleaf Group, Inc.*

Xan Simonson

*Biotechnology Specialist
Mesa Public Schools*

Steve Gollehon

*Vice President, Managing Partner
HDR Architects*

Tim Lines

*Managing Vice President
Stantec Consulting Inc.*

Kate Timmerman

Public Artist

Caroline Lobo

*Director of Education Studio
The Orcutt/Winslow Partnership*

Steven Voss

*President
LVA Urban Design Studio*

THE PRESIDENT'S AWARD

The President's Award was selected from among Crescordia recipients and is presented to an organization or individual that has had a special impact on the environment. The recipient of the 2010 President's Award and Crescordia winners follow.

NINA MASON PULLIAM RIO SALADO AUDUBON CENTER

The Rio Salado Audubon Center sits at the heart of the \$100 million riparian habitat along the Rio Salado river corridor south of downtown Phoenix and represents far more than an amazing physical structure that epitomizes environmental design.

Constructed on a brownfield site, the project restored the barren desert using native landscape and earned the first LEED Platinum certification within the city of Phoenix.

The project's environmental features include: high recycled content in 27 percent of all building materials; thoughtful window placement and sizing that provides over 85 percent of the building's regularly occupied spaces with daylight and all occupied spaces with visual connection to the outdoors; and an on-site wastewater system that is capable of treating up to 420,000 gallons annually. In addition, dual-flush toilets, waterless urinals, sinks, drinking fountains and an employee shower are connected to a system that cleans then reuses the water for subsurface irrigation, eliminating the need for a city sewer connection and reducing the load on municipal facilities.

Today, more than 200 species of birds have been seen in the habitat, in addition to jackrabbits, beavers, coyotes, javelinas, cottontails and snakes.

The Rio Salado Audubon Center illustrates how innovative design, thoughtful construction, exciting educational programs, and a community committed to the environment can work together to create an educational and environmental success story.

PRESIDENT'S AWARD
SPECIAL ACHIEVEMENT IN
ENVIRONMENTAL EXCELLENCE

CRESCORDIA AWARD
BUILDINGS & STRUCTURES
INSTITUTIONAL



Award Recipients: The Hon. Phil Gordon,
Mayor, City of Phoenix
Sarah Porter, Executive Director,
Audubon Arizona

Submitted by: Weddle Gilmore Black Rock Studio

TALIESIN MOD.FAB

To explore and employ modular fabrication techniques, the students of the Frank Lloyd Wright School of Architecture designed and constructed the prototype for Mod.Fab at Taliesin West, Frank Lloyd Wright's desert home and studio in Scottsdale and the school's winter campus.

Just 500 square-feet, the environmentally sensitive modular dwelling is similar to a one-bedroom apartment. The Mod.Fab's refined aesthetic and affordability did not come at the expense of environmental sensitivity. Rather, by incorporating sustainable features from the very beginning of the design process, all the elements work together to form a unified whole.

The Mod.Fab was sited on a previously damaged section of desert, and the program included native plant revegetation. This prototype version of the Mod.Fab touches the ground at only six 4" x 4" points, again minimizing the impact to the natural landscape. The building is positioned to take advantage of the natural breezes for ventilation and cooling, as well as the path of the sun for passive heating during the cool desert winters.

The Mod.Fab's overall dimensions allow it to be prefabricated in a factory and transported by road, reducing waste and increasing efficiency during the building process. The modular system also allows the use of common building products, keeping both cost and waste low.

BUILDINGS AND STRUCTURES

RESIDENTIAL



Award Recipient: Victor Sidy

Submitted by: The Frank Lloyd Wright School of Architecture

LEED PLATINUM SCOTTSDALE FIRE STATION NO. 2

Downtown Scottsdale Fire Station No. 2 represents the first fire station in the U.S. to receive LEED Platinum certification from the U.S. Green Building Council. The two-story emergency service facility meets the daily operational needs of the new city of Scottsdale Fire Department and the community, while utilizing both passive and active sustainable green building principles to maximize sustainability and enhance overall energy performance.

Contemporary architecture responds to both the civic and historical context of the surrounding urban area, drawing from the materials, colors and textures of the existing built environment. Sustainable materials were used throughout the design. Natural materials, including locally manufactured ground face concrete masonry, in combination with Arizona sandstone, glass and weathering steel, define the building's surface and exude a sense of sustainability and presence, while units offer contrasting texture and form throughout the project.

The fire station engages the existing historic Community Design Studio's courtyard and connects the old with the new. Energy consumption is reduced by insulated low-e windows, improved insulation, building orientation, natural daylighting and overhangs that shade the building. Solar hot water collectors will provide 95 percent of all the domestic hot water needs and limited space heating during the winter season.

BUILDINGS AND STRUCTURES

CIVIC



Award Recipients: Lawrence Enyart, FAIA, LEED AP &
Lance Enyart, AIA, LEED AP
Submitted by: LEA-Architects, LLC

SANDRA DAY O'CONNOR HOUSE/ GREEN LINE RESTORATION

The historic Sandra Day O'Connor House, originally constructed in Paradise Valley and moved to its current location in Papago Park as a result of a public-private preservation effort, represents a milestone in local sustainability.

Former Supreme Court Justice O'Connor lived in the home with her husband and three children from 1958-1981. The 1,700-square-foot house has a special link to the surrounding environment, being constructed of adobe bricks made of mud from the Salt River in Tempe. Local architect D.K. Taylor originally designed the house for the O'Connors, incorporating stylistic aspects of nationally renowned architects Frank Lloyd Wright and Cliff May.

A preservation-by-relocation effort was undertaken, and piece by piece, the entire house (including over 6,000 adobe bricks) was deconstructed and transported to Tempe. It was then meticulously reconstructed in Papago Park with a keen focus on sustainability and historic preservation.

The Sandra Day O'Connor House is now located within the boundaries of the Carl Hayden Campus for Sustainability, which weaves together interconnected elements of the Papago Park landscape in a carefully crafted and unobtrusive setting that reflects the nature of its surroundings.

The Sandra Day O'Connor House and Center for Civic Discourse now provides a gathering place where groups can move beyond their differences in a beautiful desert setting and focus on the hard work of finding solutions to challenges.

BUILDINGS AND STRUCTURES

HISTORIC PRESERVATION



Award Recipient: The Hon. Hugh Hallman,
Mayor, City of Tempe

Submitted by: City of Tempe

THE LINK

The Link building extends the use of a 1950s-era, two-story office building in the heart of the Phoenix Cultural District. The existing shell, coupled with high-performance interventions, returns the building back into the original building stock well-suited for the 21st century.

By reusing the structure, a significant reduction in construction waste was achieved and the Link boldly preserves the cultural identity of the building façade and neighborhood while repurposing the structure for the future.

Located in close proximity to light rail, local bus routes and commuter transportation, the project didn't require construction of additional parking spaces. Additional environmental features include ample natural daylighting, a high-efficiency HVAC system, low-VOC sealed concrete floors and exposed structure requiring no maintenance. Select areas are clad in reclaimed barn wood left in its natural state.

Within a half-mile of the building are ample community services, including retail, restaurants, civic institutions and municipal parks. These amenities coupled with a pedestrian-friendly environment allow the Link to connect with the community on a large scale, invigorating the existing urban fabric and enhancing the quality of life for residents.

BUILDINGS AND STRUCTURES

COMMERCIAL & MIXED USE



Award Recipient: Chris Nieto
Submitted by: merzproject,
a studio of Shepley Bulfinch

TRES RIOS CONSTRUCTED WETLANDS

The Tres Rios Environmental Restoration Project is a collaborative effort of the U.S. Army Corps of Engineers and the Multi-City Sub-Regional Operating Group composed of Glendale, Mesa, Phoenix, Scottsdale and Tempe. Its major purpose was to restore the wetland and riparian habitat to the Salt River bottom.

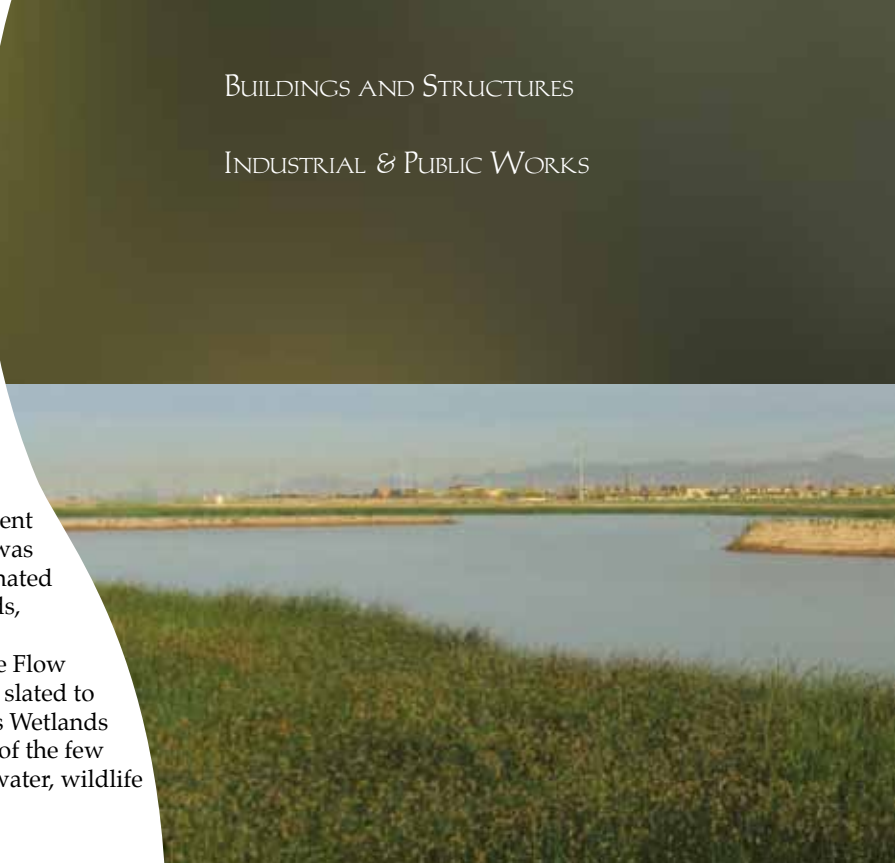
Design of the project began in 2004 and commissioning was achieved in June 2010, meeting stringent Environmental Protection Agency requirements and restoring natural wetland and riparian habitat along the Salt River.

In an attempt to reintroduce the bosque element and reduce the long-term demand for effluent water, a portion of the Overbank Wetland channel was designed to support a vegetative community dominated by mesquite. Other vegetation includes cottonwoods, willow trees, cattails and bulrush aquatic plants.

Some 52,000 aquatic plants were installed in the Flow Regulating Wetlands cells, while another 50,000 are slated to be installed in the Overbank Wetland. The Tres Rios Wetlands is highly regarded for recreational purposes as one of the few places in the urban desert environment with open water, wildlife and vegetation.

BUILDINGS AND STRUCTURES

INDUSTRIAL & PUBLIC WORKS



Award Recipient: Barbara A. Glaus, City of Phoenix
Submitted by: Archer Western Contractors

KIERLAND COMMONS

A 38-acre destination located on the Phoenix/Scottsdale border, Kierland Commons was designed in 1997 to be the first urban village to vertically integrate mixed-use with outdoor shopping in the Valley. The project opened in 2000, branding itself as “today’s version of yesterday.” This fall, it will celebrate its 10th anniversary and a decade of success.

Kierland Commons has proven itself to be a sustainable, time-tested model for use of Arizona’s land and resources – one that has enhanced the value and quality of life of the surrounding communities and has served as a benchmark for similar mixed-use destinations around the nation. This exceptional project promotes pedestrian movement, reduces dependency on cars and connects with surrounding neighborhoods to serve as a destination/gathering place. It has also set the standard for multi-story, mixed-use retail, having been designated as Arizona’s only “lifestyle center” by the International Council of Shopping Centers.

The urban configuration of Kierland Commons features narrow streets for a pedestrian-friendly environment that connects with surrounding neighborhoods, meanwhile establishing a comfortable shopping experience even during the triple-digit days of summer. The tightly spaced retail environs reduce the expanse of asphalt and parking lots, cut sun exposure and position the uses within walking distance of each other.

LIVABLE COMMUNITIES

SUSTAINABLE COMMUNITIES



Award Recipient: Daniel W. “Buzz” Gosnell,
Woodbine Southwest Corporation
Submitted by: Olson Communications, Inc.

SUPERSTITION SPRINGS TRANSIT CENTER

The Superstition Springs Transit Center in Mesa communicates the sustainable aspects of transit usage in its design while serving as an important and purposeful alternative for travelers. As Valley Metro's first construction project in its 23-year history, great care was taken to ensure the project was built in harmony with the surrounding environment.

The Arizona Department of Transportation provided the land that was practically unusable for nearly all commercial purposes. In a conservation effort, a box culvert was extended, filled in with dirt and paved to create parking for an additional 80 vehicles, allowing for much-needed park-and-ride use at the Center. In addition, a bus driveway cut-through was developed to realize a cost savings in bus operations in excess of \$100,000 annually.

Features of the Center prove its environmental awareness below ground and climate response principles above ground. An artist was hired to develop the Transit Center's design and create sustainable elements that would provide a comforting and environmentally balanced atmosphere.

To reduce the heat island effect, the Center has a shelter with a living green roof containing native, low-water plants that provide a cooling effect for passengers. Rainwater from the roof is captured and collected to naturally provide moisture for the plants incorporated into the design. Specially designed art box panels featuring historic pictures of Mesa tie in the local flavor of the city's origins.

LIVABLE COMMUNITIES

MULTIMODAL TRANSPORTATION & CONNECTIVITY



*Award Recipient: David Boggs
Submitted by: Valley Metro RPTA*

PAPAGO PARK REGIONAL MASTER PLAN

The history of Papago Park is long and rich, with the unique natural resources it encompasses appreciated by prehistoric civilizations. The park is now centrally positioned in an intense urban environment of 2.8 million people. This staggering growth has placed pressure on the park environment, creating the need for a cohesive master plan.

The legacy and protection of the resources were paramount to the planning process, which brought surrounding communities together for the first time to develop a strategy to create the next great American park.

Nestled in the heart of the Valley at the intersection of the municipal boundaries of Phoenix, Scottsdale and Tempe, the park encompass just over 2,000 acres. It is home to two golf courses, three museums, a zoo, a botanical garden, softball/baseball complexes, a dog park, an 8,000-seat baseball stadium and even a military reserve and armory.

Simple, high-value improvements that strengthen the sense of place, visitor experience, brand resonance, resource stewardship and community values must be harnessed for Papago Park to reach its full potential. The master plan goals, objectives and guidelines were developed from a process that examined past plans and encouraged public involvement and stakeholder engagement.

It became clear early on that the most enduring legacy for Papago Park lies not in the broad strokes of trying to create a new sense of greatness, but rather in a keen focus on the finer details of building cohesiveness around the greatness that is already present.

LIVABLE COMMUNITIES

PUBLIC POLICY/PLANS



Award Recipient: Ricardo Leonard, Councilmember,
Salt River Pima-Maricopa
Indian Community

Submitted by: Olsson Associates

PARADISE RESERVE

A luxury enclave of exquisite hillside home sites, Paradise Reserve has been nestled into one of the last remaining privately held properties bordering the Phoenix Mountain Preserve. At 46 acres, the property was developed to include only 14 single-family home sites on the sensitive hillside slopes, preserving the environmental character of the site for years to come.

This impressive project respects the natural systems in which it is placed – wildlife habitats, native vegetation and watersheds. Thousands of plants and mature trees from the wash and throughout the site were identified, catalogued and preserved in an on-site nursery during development. From majestic saguaros reaching 20 feet into the air to the tiniest of cacti, only an inch tall, hundreds of these plants were stored and eventually relocated.

The natural desert character of the scattered, rough-hewn rock and patchwork of the native palo verde, saguaro, cholla, ocotillo, creosote and bursage are emblematic of the foothills landscape. The design incorporated these elements along with a careful selection of other complementary plants that would be found in the preserve.

Frontage areas along Lincoln Drive were re-graded to mimic the rolling hills that occurred in other areas of the Preserve. Large box salvage trees, cacti, desert wildflowers, native shrubs and specimen boulders were installed to re-create the rough “desert floor” appearance.

The wash has not only been preserved in accordance with federal 404 guidelines, but has been improved, ensuring that it will continue to serve as a vital habitat and greenway corridor for generations to come.

SITE DEVELOPMENT AND LANDSCAPE

RESIDENTIAL



*Award Recipient: Joe Young
Submitted by: LVA Urban Design Studio, LLC*

ASU POLYTECHNIC ACADEMIC COMPLEX

The ASU Polytechnic Campus project consists of 21 acres of site work and five new classroom buildings. The project transforms the previously barren Air Force base into a thriving campus for learning.

Streets that used to flood have been turned into water-harvesting arroyos adjacent to new campus malls, giving students and faculty a daily connection to nature while solving storm water problems. Shaded courtyards allow informal gathering areas for student interaction and continued learning.

Stabilized decomposed granite walkways in combination with textured concrete and shady desert trees help reduce the urban heat island effect. Salvaged desert trees and small native shrubs, cacti and seed were used to create the arroyo habitat. During a rain event, the arroyo captures and slows the storm water run-off, providing supplemental deep watering to the vegetation while lessening the effect to downstream offsite properties by retaining water within this historically troublesome flood-prone area.

The use of recycled concrete, site-salvaged river rock, permeable surfaces, natural local materials, and shade-giving, drought-tolerant plant material, and the reduction of the urban heat island effect all exhibit a commitment to sustainable design techniques. This 21-acre project serves as a learning laboratory and restorative gathering place for social interaction, grounded in the qualities of our unique region.

SITE DEVELOPMENT AND LANDSCAPE

PUBLIC SECTOR



Award Recipients: Todd Raven and Jean Humphries,
Arizona State University
Submitted by: Ten Eyck Landscape Architects, Inc.

**SCOTTSDALE HEALTHCARE
THOMPSON PEAK HOSPITAL
H.N. AND FRANCES C. BERGER
THOMAS AND JOAN KALIMANIS
HEALING GARDEN**

A barren, unused space at the heart of the hospital was renovated to bring life and beauty into the everyday experience of patients and staff. Walls were removed and replaced with glass windows and doors that now invite people to the garden, creating a seamless connection that invites nature into the hospital setting.

A portion of the hospital's lobby wall was removed and remodeled to create a welcoming entrance and visual link to the healing garden. The garden is now visible from the food court and waiting area, allowing sensitive patients to connect with the garden.

Limestone and inlaid beach pebble paving transitions from inside to outside gathering spaces. The paving, along with scrims and plantings, defines rooms within the garden. Massing of plants and stone reinforces the pattern of the hardscape of the design into the garden. Troughs of brimming water lead into the space and invite one to explore further. As a focal point for the treatment center, this therapeutic garden features outdoor gathering spaces interwoven with drought-tolerant, lush plantings that attract desert birds and butterflies.

The Healing Garden transformed the previously unused, sterile, "fishbowl feeling" courtyard of the hospital into a multi-sensory wellness setting that is seamless with the architecture. The restorative landscape evokes feelings of well-being, providing places of serenity, rejuvenation and social interaction, and imparting visitors with a sense of connectedness to the natural world.

SITE DEVELOPMENT AND LANDSCAPE

PRIVATE SECTOR



Award Recipient: Judeen Terrey

Submitted by: Ten Eyck Landscape Architects, Inc.

WESTERN CANAL MULTI-USE PATH PROJECT

The Western Canal Multi-Use Path is a mixed-use trail that travels approximately six miles throughout Tempe, connecting it with the cities of Phoenix, Mesa and Chandler and completing a critical link in the Valley's Pedestrian Freeway along a segment of the historical Sun Circle Trail.

The site plan and design link bicycle and pedestrian activity with four parks, three schools, numerous recreational facilities, employment centers and dozens of retail outlets. The project converted miles of a nearly unusable, unpaved maintenance road with high-transmission power lines into a tree-lined, shaded, accessible linear park and public amenity that weaves through many diverse neighborhoods.

The dry, unplanted maintenance road was converted into a greenway trail located adjacent to the Salt River Project Western Canal. Strategies to maintain the natural environment included the use of drought-tolerant, native desert landscaping and a Sonoran Desert color palette. The path also dissects Ken McDonald Golf Course while maintaining the functionality of both the golf course and the trail with artful protective fencing that plays off the form of the adjacent canal and the water flowing through it.

Special attention was made to limit the amount of dust and debris created while building the path. Water-harvesting basins are used in combination with a drip irrigation system to water the trees and shrubs along the path.

SITE DEVELOPMENT AND LANDSCAPE

TRAILS



Award Recipient: The Hon. Hugh Hallman,
Mayor, City of Tempe
Submitted by: City of Tempe

PASEO VISTA RECREATION AREA

The city of Chandler's Paseo Vista Recreation Area is the Valley's first municipal park to be constructed on a former landfill, and in just six months, it has become a destination for residents and visitors exploring its tranquility, amenities and dynamic views.

Closed in 2005, the site still functions as a living landfill and is carefully monitored via environmental compliance systems that ensure natural processes are not compromised. An innovative reclaimed water irrigation system and a series of 26 embedded moisture sensors prevent leaks or joint separation due to ground settlement. Additionally, 478,000 cubic-yards of soil were added to the evapo-transpiration cap from a nearby regional retention basin to provide sufficient depth for drought-tolerant landscaping treatments.

The project preserved more than 200 trees from its original perimeter, and 65 specimen mesquite trees were transplanted into areas where soil depths were sufficient for planting. A hydro seed blend of various wildflowers provides seasonal color and maintains the required infiltration prevention.

Paseo Vista is also a living testament to the effective reuse of materials that would have been bound for other landfills. More than 1,500 discarded rubber tires and 200 feet of worn conveyor belts were salvaged to form the safety backstop in the archery range and provide retaining walls in the play area.

SITE DEVELOPMENT AND LANDSCAPE

PARKS



Award Recipient: The Hon. Boyd Dunn,
Mayor, City of Chandler
Submitted by: City of Chandler

THE ZANJERO'S LINE

The project's sculptural vocabulary of cast iron buckets, planks and boulders celebrates the agricultural heritage of the South Mountain community. New gate structures at 40th Street, 24th Street and Francisco Highland Park distinguish the major street and park access to this small but vital canal.

Artists Mags Harries and Lajos Heder used a palette of environmentally sensitive materials, including steel, stone, polished concrete with varied aggregate, recycled pavement, desert planting and landscaping.

The project's design sought to slow the course of historically fast-moving floodwaters in the area to lessen the damage and erosion caused by storms. But the project goes well beyond its purpose, merging the character of the newly developing South Mountain community with its history of farms and creating a sense of place for residents and visitors alike.

The Zanjero's Line demonstrates the potential of Canalscape, an important initiative to boldly shape our built environment, uniquely interspersing urban vitality into our majestic landscape.

ART IN PUBLIC PLACES



Award Recipient: Ruth Osuna
Submitted by: The Phoenix Office of Cultural Affairs
Public Art Program

TRES RIOS CONSTRUCTED WETLANDS

A collaborative effort of the U.S. Army Corps of Engineers and five Valley cities to restore the wetland and riparian habitat in the Salt River bottom, the Tres Rios Environmental Restoration Project provides a quiet and lush environment to enjoy hiking and bird watching. Located less than 20 miles from downtown Phoenix, it is open to the public and provides all types of visitors with a living research platform.

The Wetlands are fed by a 300-million-gallons-per-day pump station, located at the 91st Avenue Wastewater Treatment Plant. Treated effluent water from the plant is conveyed through two 84-inch diameter force mains approximately one mile to the Wetlands.

One unique benefit of the Wetlands is its ability to provide a superior level of natural treatment for secondary effluent water, thus avoiding expensive supplemental treatment technologies and ultimately saving taxpayers an estimated \$300 million. The project is expected to reduce concentrations of emerging contaminants such as endocrine disruptors, herbicides and pesticides by 40 to 99 percent. Furthermore, it is anticipated that under normal operating conditions, all chlorine residual will be removed naturally.

ENVIRONMENTAL TECHNOLOGIES

PUBLIC SECTOR



Award Recipient: Barbara A. Glaus, City of Phoenix
Submitted by: Archer Western Contractors

MINE WATER TREATMENT & RECOVERY SYSTEM

The Magma Mine in Superior has a long history going back to 1875 with the discovery of what became the Silver Queen Mine. With exhaustion of the easily accessed ore deposits, the mine was abandoned in 1888 and reopened as the Magma Copper Company in 1910.

Resolution Copper Mining (RCM) subsequently acquired the Magma Copper Company in the early 2000s and identified what may be one of the largest copper resources ever found in North America and possibly worldwide. The deposit is more than a mile below the surface.

In order to dewater the former Magma Mine and sink a new 7,000-foot exploratory shaft, RCM must extract and manage about 2 billion gallons of accumulated mine water inventory, as well as about 300 million gallons per year of new inflow. RCM constructed the Mine Water Treatment & Recovery System to treat the water in the old mine workings before it is transported by pipeline for beneficial agricultural irrigation use.

To achieve its mine water treatment objectives, RCM worked with CH2M HILL to pursue an aggressive design-build approach for a high-density sludge physical-chemical treatment system. The system has been operating at times beyond the design basis criteria and is believed to be the only mine dewatering system in the country that is providing treated water for irrigation water supplementation beneficial reuse.

ENVIRONMENTAL TECHNOLOGIES

PRIVATE SECTOR



Award Recipient: David Salisbury
Submitted by: Resolution Copper Mining

LANDSCAPEWITHSTYLE.COM

LandscapewithStyle.com is a web-based, interactive guide for designing, installing and maintaining an Arizona-friendly landscape. The newly launched web offering from the Arizona Department of Water Resources and the Arizona Municipal Water Users Association clearly outlines the specifics of Xeriscape. The easy-to-use format draws visitors into a world of beautiful plants, functional landscapes and significant water savings.

Designed to maximize the distinctive format of the web, *LandscapewithStyle.com* provides access to content with nonlinear navigation that allows visitors to pick and choose among the subjects they find interesting. It also presents the information as a chronological journey leading viewers through the design visioning experience into the get-your-hands-dirty mindset of installation, arriving at the finished landscape and the accompanying satisfaction of a job well done.

Detailed illustrations take the mystery out of irrigation system design and installation, while visual diagrams of watering schedules ensure the viewer is educated and ready to take on the proper practices that will move them toward their water-saving potential.

As Xeriscape principles are embraced, homeowners will understand that they are celebrating one of our most distinctive assets: a sense of place, even as they are saving the precious resource that once flowed through their landscape unhindered.

ENVIRONMENTAL EDUCATION/COMMUNICATION

PUBLIC SECTOR

INSPIRATIONAL PHOTO GALLERY



Award Recipient: Steve Olson

Submitted by: Arizona Municipal Water Users Association

GREENSTREET: ENVIRONMENTAL EDUCATION

In the United States, buildings are responsible for 43 percent of carbon emissions, 21 percent of which is caused by single-family homes. GreenStreet Education suggests the best way to address this issue is to renovate existing structures and make them more energy efficient, and at the same time reduce water use, along with making them healthy places to live.

The GreenStreet message of improving neighborhoods by renovating existing structures is packaged into powerful educational sessions that are sought after by industry professionals, municipalities, non-profits, universities and the media. GreenStreet is widely accepted as the leader in green renovations, and its founder, Philip Beere, is recognized as the pioneer and expert.

GreenStreet educational sessions are approved for continuing education units by the American Institute of Architects, U.S. Green Building Council, American Society of Interior Designers and the International Interior Design Association. To date, over 3,000 building professionals and industry leaders have attended GreenStreet educational sessions.

ENVIRONMENTAL EDUCATION/COMMUNICATION

PRIVATE SECTOR



*Award Recipient: Philip Beere
Submitted by: GreenStreet*

GLOBAL CLIMATE CHANGE IN THE SOUTHWEST: AN ACADEMY FOR EDUCATORS

For the third consecutive year, the Center for Teacher Success has brought environmental education and awareness to the head of the class by providing Arizona educators with the opportunity to participate in two summer professional development academies.

Held for seven days in June 2010, the academies used global climate change, a critical real-world issue, and drilled it down for educators to focus upon its relevancy in terms of environmental, social and economic pressures. Special care was taken to address Arizona Academic Standards, so that educators could easily incorporate their new learning into the classroom while inspiring students to become responsible stewards of a sustainable environment.

More than 60 educators representing 18 schools from around the Phoenix metropolitan area, Chino Valley, Eloy and Payson were selected to attend this year's academy, which combined standards-based classroom activities, expeditionary learning experiences and the opportunity to develop an instructional plan.

Learning went beyond the classroom to environmentally significant field trips to the Tri-Cities Landfill, Maricopa Solar Park, Nina Mason Pulliam Rio Salado Audubon Center and Arizona Falls.

This year's participants expect to reach some 1,800 students during the 2010-11 school year as a result of this important initiative that combines academics with real-world issues.

ENVIRONMENTAL EDUCATION/COMMUNICATION

EDUCATORS, STUDENTS &
NON-PROFITS



Award Recipient: Larry McBiles, Ph.D.
Submitted by: The Center for Teacher Success

CITY OF PHOENIX SONORAN PRESERVE

For almost a century, Phoenix city leaders have systematically preserved tens of thousands of acres of pristine desert for biking, horseback riding and hiking.

With the area rapidly expanding to the north in the early 1990s, residents, along with the Phoenix Parks and Recreation Department and city leaders, recognized the need to have a plan in place to protect mountainous areas and associated landscapes and wildlife habitats from development pressures.

The Parks and Recreation Department created the Phoenix Sonoran Preserve Committee (PSPC), a citizen advisory board, to work with city staff and advise the Parks Board on issues involving the mountain parks and Sonoran Preserve.

With the approval of the “Sonoran Preserve Master Plan” in 1998, the city began the process of finding a funding mechanism to purchase the 16,800 acres identified for preservation.

In 1999, a 10-year program to increase sales taxes by one-tenth of a penny per dollar was approved by more than 80 percent of voters and created the Phoenix Parks and Preserve Initiative (PPPI). The initiative program allocated 60 percent of the revenue stream to buy desert land for the Phoenix Sonoran Preserve. In 2009, more than 83 percent of voters renewed the program for another 30 years.

To date, city staff has leveraged the buying power of PPPI funds for Sonoran Preserve development by procuring \$103 million in matching funds from the Growing Smarter State Trust Land Acquisition Program administered by Arizona State Parks. The desert preserve system has put desert trails and hiking within a 15-minute drive of every Phoenix resident.

ENVIRONMENTAL STEWARDSHIP

THE SRP AWARD



Award Recipient: The Hon. Phil Gordon,
Mayor, City of Phoenix
Submitted by: City of Phoenix Parks and
Recreation Department

AWARDS OF MERIT

BUILDINGS AND STRUCTURES

RESIDENTIAL

GreenStreet: Residential Renovation

Award Recipient: Philip Beere

Submitted by: GreenStreet

Earll Residence

Award Recipients: Scott Roeder and Betsy Lynch

Submitted by: StudioROEDER

BUILDINGS AND STRUCTURES

CIVIC

Sam Garcia Western Avenue Library

Award Recipient: Mark Roddy

Submitted by: SmithGroup

City of Glendale, Relocation of Fire Station No. 151

Award Recipient: David Goulet

Submitted by: DWL Architects + Planners, Inc.

BUILDINGS AND STRUCTURES

HISTORIC PRESERVATION

The Link

Award Recipient: Chris Nieto

Submitted by: merzproject, a studio of Shepley Bulfinch

El Chorro Lodge

Award Recipient: Jerry Meek

Submitted by: APS and Desert Star Construction, Inc.

BUILDINGS AND STRUCTURES

COMMERCIAL & MIXED USE

Freeport-McMoRan Center

Award Recipient: Mark Roddy

Submitted by: SmithGroup

Collier Center

Award Recipient: Jami Vallelonga

Submitted by: CB Richard Ellis – Asset Services

BUILDINGS AND STRUCTURES
INSTITUTIONAL

**The Saguaro Building at Mesa Community College
at Red Mountain Campus**
Award Recipient: Mark Kranz
Submitted by: SmithGroup

Glendale Community College North
Award Recipient: Velvie Green, Ph.D.
Submitted by: RNL

BUILDINGS AND STRUCTURES
INDUSTRIAL & PUBLIC WORKS

Santan Vista Water Treatment Plant
Award Recipients: The Hon. Boyd Dunn and
The Hon. John Lewis
Submitted by: City of Chandler and Town of Gilbert

**Cowley Companies: Largest Rooftop Solar
Installation in Arizona**
Award Recipient: Michael T. Cowley
Submitted by: APS

LIVABLE COMMUNITIES
SUSTAINABLE COMMUNITIES

Paradise Village Solar Demonstration Project
Award Recipient: Tim Boling
Submitted by: City of Phoenix Neighborhood
Services Department

LIVABLE COMMUNITIES
ADAPTIVE REUSE

McCarty on Monroe
Award Recipient: Kim Dorney
Submitted by: City of Phoenix Housing Department

**Comprehensive Integration of Adaptive
Reuse Programs**
Award Recipient: John (J.T.) Taylor
Submitted by: U-Haul International

LIVABLE COMMUNITIES
MULTIMODAL TRANSPORTATION & CONNECTIVITY

Mesa Main Street LINK Bus Stations
Award Recipient: David Boggs
Submitted by: Valley Metro RPTA

Little Canyon Trail
Award Recipient: Claude Mattox
Submitted by: The Phoenix Office of Cultural
Affairs Public Art Program

LIVABLE COMMUNITIES
PUBLIC POLICY/PLANS

City of Phoenix Tree and Shade Master Plan
Award Recipient: The Hon. Phil Gordon
Submitted by: City of Phoenix Parks and
Recreation Department

El Mirage General Plan
Award Recipient: George Flores
Submitted by: City of El Mirage

SITE DEVELOPMENT AND LANDSCAPE
RESIDENTIAL

Desplaines Residence
Award Recipient: Luis A. Salazar, AIA
Submitted by: Salazar Associates Architects, LTD

GreenStreet: Site Development
Award Recipient: Philip Beere
Submitted by: GreenStreet

SITE DEVELOPMENT AND LANDSCAPE
PUBLIC SECTOR

Sandra Day O'Connor House/Green Line Restoration
Award Recipient: The Hon. Hugh Hallman
Submitted by: City of Tempe

Rio Salado South Bank Multi-Use Path Project
Award Recipient: The Hon. Hugh Hallman
Submitted by: City of Tempe

SITE DEVELOPMENT AND LANDSCAPE
PRIVATE SECTOR

Fairmont Scottsdale Princess
Award Recipient: Mike Scully
Submitted by: ValleyCrest Landscape Maintenance

Paradise Village Core and PV Mall Revitalization
Award Recipient: Kristina Floor
Submitted by: JJR | Floor

SITE DEVELOPMENT AND LANDSCAPE
TRAILS

Little Canyon Trail

Award Recipient: Ruth Osuna

Submitted by: The Phoenix Office of Cultural Affairs
Public Art Program

The Zanjero's Line

Award Recipient: Ruth Osuna

Submitted by: The Phoenix Office of Cultural Affairs
Public Art Program

SITE DEVELOPMENT AND LANDSCAPE
PARKS

Tempe Cole and Rotary Parks

Award Recipient: The Hon. Hugh Hallman,
City of Tempe

Submitted by: Olsson Associates

ART IN PUBLIC PLACES

Indian Bend Road Improvements

Award Recipient: The Hon. Jim Lane

Submitted by: City of Scottsdale

trueNorth

Award Recipients: Mayme Kratz and Mark Ryan
Submitted by: Mark Ryan Studio and City of Tempe

ENVIRONMENTAL TECHNOLOGIES
PUBLIC SECTOR

City of Mesa Northwest Water Reclamation Plant

Award Recipient: Kathryn Sorenson

Submitted by: City of Mesa Water
Resources Department

Maricopa Solar, LLC

Award Recipient: Carl Swenson

Submitted by: City of Peoria

ENVIRONMENTAL TECHNOLOGIES
PRIVATE SECTOR

Thermo Fluids, Inc.

Award Recipient: James Devlin

Submitted by: Olson Communications, Inc.

ENVIRONMENTAL EDUCATION/
COMMUNICATION

PUBLIC SECTOR

Dust Abatement Handbook and Field Guide

Award Recipient: Holly Ward

Submitted by: Maricopa County
Air Quality Department

**Living Green Workshop Series: Earth-Friendly
Advice for Home & Garden**

Award Recipient: Scott Bouchie

Submitted by: City of Mesa Development &
Sustainability Department

ENVIRONMENTAL EDUCATION/
COMMUNICATION

PRIVATE SECTOR

APS's Qualified Solar Installer Program

Award Recipient: Eran Mahrer

Submitted by: APS

**The Renewables, the World's Most Sustainable
Superheroes**

Award Recipient: Rachel Sahlman

Submitted by: APS

ENVIRONMENTAL EDUCATION/
COMMUNICATION

EDUCATORS, STUDENTS & NON-PROFITS

**Solarville in the APS Solar Gallery at Arizona
Science Center**

Award Recipient: Patrick Weeks

Submitted by: Arizona Science Center

Audubon Arizona: Water's Changing Journey

Award Recipient: Cathryn Wise

Submitted by: Quarles & Brady, LLP

ENVIRONMENTAL STEWARDSHIP —
THE SRP AWARD

Keep Phoenix Beautiful

Award Recipient: Tom Waldeck

Submitted by: APS



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SRP CONTINUES A CENTURY-OLD LEGACY OF ENVIRONMENTAL LEADERSHIP

As presenting partner of Valley Forward’s 30th annual Environmental Excellence Awards, SRP salutes environmental commitment. In 1903, SRP was founded on the principles of resource stewardship as Theodore Roosevelt Dam was built to bring water to the Valley. These same principles guide SRP today in its many community partnerships dedicated to helping preserve Arizona’s environment for future generations.



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THE VALLEY FORWARD/SRP PARTNERSHIP

Valley Forward has influenced quality-of-life decisions in the Valley since 1969 and is now celebrating 41 years of bringing business and civic leaders together to improve the livability and sustainability of our region. The organization has helped to ensure that decisions about how residents will live tomorrow are made with foresight and imagination today.

SRP continues its centennial heritage of environmental leadership by offering a diversified portfolio of renewable energy technologies, forging powerful partnerships within the community and providing outstanding education resources to teachers and students in Arizona. A charter member of Valley Forward, SRP has played a vital role in the growth of this historic environmental public interest group.

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