

2018 QUARTERLY REPORT

TAHOE REGIONAL PLANNING AGENCY
Second Quarter: April – June 2018



**TAHOE
REGIONAL
PLANNING
AGENCY**



Photo by Drone Promotions

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TRPA STRATEGIC INITIATIVES

The Tahoe Regional Planning Agency (TRPA) is moving forward with strategic initiatives the Governing Board identified in 2015 as priorities over the next five years. These initiatives align directly with the four objectives in the agency's Strategic Plan.

THRESHOLDS UPDATE STRATEGIC INITIATIVE

Most of the threshold standards TRPA adopted in 1982 are based on science that is now over 30 years old. The cost of fully monitoring and measuring the existing threshold system has also proved unsustainable. A broad bi-state consensus supports considering updates to the thresholds and monitoring systems. TRPA is working with the Bi-State Tahoe Science Advisory Council and science community to create a sustainable, prioritized, and relevant monitoring plan, and to review and consider modifying the threshold standards to reflect the latest science and the significant values in the Lake Tahoe Region.



***Strategic Initiative Desired Outcomes:** Relevant and scientifically rigorous threshold standards and a cost-efficient, feasible, and informative, comprehensive monitoring and evaluation plan.*

Technical Corrections to Threshold Standards Approved

On May 23, the Governing Board unanimously voted to adopt a reorganization and set of non-policy technical corrections to improve the threshold standards. The modifications were the result of over a year of work with the Tahoe Science Advisory Council and other partners and were the first modifications of the threshold standards since the regional plan was revised in 2012. The reorganization consolidated 173 threshold standards to 152 standards by reducing overlap in the system. The reorganization and technical corrections made the goals and framework of the standards more transparent, a critical step in advance of engaging stakeholders to consider more substantive changes. The reorganization maintained the same level of protection afforded by the system and will not affect TRPA's Regional Plan, Code of Ordinances, project review, or analyses.

SHORELINE PLAN INITIATIVE



TRPA launched the shoreline initiative to enhance the recreational experience along Lake Tahoe's shores while protecting the environment and responsibly planning for potential future development in the shorezone. TRPA and partner agencies initiated planning by engaging the Consensus Building Institute, a third-party mediation firm, to convene stakeholders and complete a stakeholder issue assessment. The assessment aided the development of a collaborative planning process and work program accepted by the TRPA Governing Board in April 2016.

The scope of work focuses on the extent of allowed development of shoreline structures (marinas, piers, buoys, slips, and boat ramps) to support water-dependent recreation and effective resource management to ensure threshold attainment. The scope of work is detailed in the scope memo on www.shorelineplan.org.

Strategic Initiative Desired Outcomes: *The shoreline plan initiative will result in updated goals and policies in TRPA's Regional Plan and new regulations in the TRPA Code of Ordinances (Chapters 80 to 86) aimed at enhancing recreation and protecting the 72-miles of Lake Tahoe's shoreline.*

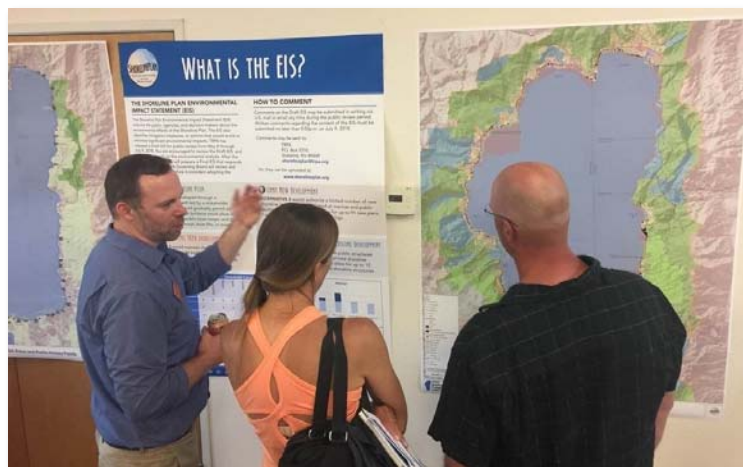
Draft Environmental Impact Statement and Code Amendments

After more than two years of collaboratively developing a proposed plan and alternatives to it, in May, TRPA released a Draft Environmental Impact Statement (EIS) that analyzes four alternatives put forth by the Shoreline Steering Committee. The purpose of the EIS is to inform the public, agencies, and decision-makers about the environmental effects of the Shoreline Plan and the mitigation measures put in place to minimize any significant environmental impacts. The EIS public comment period closes on July 9, 2018, after which TRPA and Ascent Environmental will prepare the final EIS in response to comments received.

This quarter, TRPA also released draft amendments to the Code of Ordinances recommended by the multi-agency Shoreline Code Working Group. The proposed amendments would implement the policies analyzed under Alternative 1 of the Shoreline Plan Draft EIS. TRPA staff presented the draft shoreline code provisions to the Regional Plan Implementation Committee at its April 25 and May 22 hearings. The Draft EIS, code and all related material can be found at www.shorelineplan.org.

Public Outreach

With the release of the Draft EIS, the coordinating partners on the Shoreline Steering Committee continue to encourage public participation and feedback on the Shoreline Plan process, EIS, and code amendments through an extensive outreach campaign. In May, TRPA sent out 35,000 mailers advertising upcoming public workshops and public hearings to property owners in the Tahoe Basin. Two public workshops were held in June and focused on the topics covered in the EIS including piers, moorings, marinas, and non-motorized recreation and safety. The workshops provided an opportunity for homeowners, recreators, and community members to learn about the proposed plan. In addition to these workshops, TRPA staff continues to meet with organizations around the lake to brief the community on the Shoreline Plan, the environmental review process, and to hear feedback on the proposal and environmental analysis. To date, TRPA staff has provided over 30 organizational briefings. TRPA continues to send monthly updates on progress and opportunities to comment on the plan to a shoreline mailing list of over 500 subscribers.



Community members learn more about the Shoreline Plan at a public meeting in June 2018.

Program Implementation

As the Shoreline Plan nears completion, TRPA has begun to shift its focus to implementation of the proposed ordinances and program. The Shoreline Steering Committee has developed a fee proposal that will provide funding for mitigation measures to minimize impacts identified in the EIS. In response to concern from the non-motorized recreation community, the committee endorsed strong enforcement and boater education programs. TRPA is working to develop agency partnerships for public health and safety on Lake Tahoe. Meetings this quarter with local enforcement agencies are improving coordinated enforcement of the 600-foot no wake zone and establishing a 'watercraft task force' to tackle shoreline program enforcement issues around the lake as they emerge. Recognizing that improved education and enforcement of the 600-foot no wake zone is an important component with the additional boating structures allowed under the proposed plan, TRPA has developed an educational campaign that will begin with the 2018 boating season. One component of the campaign is adding messaging that promotes awareness and compliance of the 600-foot no wake zone ordinance at marinas, boat ramps, and watercraft inspection stations.



Take Care message to educate the public about the 600-foot no wake zone.

DEVELOPMENT RIGHTS STRATEGIC INITIATIVE

The Lake Tahoe Region has a unique system of development rights. These are land use units that must be acquired before a property is developed and include rights such as commercial floor area (CFA), tourist accommodation units (TAUs), and residential units of use (RUUs). The intent of the development rights system is to ensure urban build out within the region aligns with environmental capacities and encourages environmentally beneficial redevelopment in town centers.



Strategic Initiative Desired Outcomes: Facilitate greater understanding of Tahoe's growth management system. Assess and update the commodities growth management system with the goal of encouraging environmentally beneficial redevelopment of legacy properties and removal of development from sensitive lands. Involve relevant stakeholders with the goal of mutual and inclusive engagement.

At the direction of the TRPA Governing Board, staff launched a multi-year initiative in 2015 to consider comprehensive changes to the existing development rights system to ensure it is working

for the community needs of today and meeting the goals of the Lake Tahoe Regional Plan. The initiative employs a stakeholder and working group process to clarify issues, formulate strategic approaches, and develop recommendations that align with the regional plan.

The Development Rights Working Group made five recommendations in September 2017:

1. Establish exchange rates between CFA, TAUs, and RUUs;
2. Eliminate local jurisdictional approval of development right transfers;
3. Partner with local land banks to increase the supply of development rights and accelerate the goals of the TRPA Regional Plan;
4. Streamline the development rights system (including banking and transfer activities) and make the system more user-friendly; and,
5. Expand eligibility for residential bonus units to encourage workforce housing.

The second quarter of 2018 marked significant progress on refining the details of the recommendations and developing the implementing code and other agreements needed to carry out the new approach:

- Received endorsement from the Development Rights Working Group to adopt a definition of “achievable housing” for the Tahoe Basin.
- Received direction from the working group to move forward on policy, code, and procedural changes for the expansion of the residential bonus unit program.
- Received endorsement from the Technical Code Team on draft code and policy amendments.
- Drafted a revised memorandum of understanding and policy resolution in collaboration with the California Tahoe Conservancy to support the land bank’s acquisition and transfer of development rights.
- Continued coordination with the Mountain Housing Council and Tahoe Prosperity Center to align regional housing initiatives and recommendations.
- Facilitated a development customer user group to identify streamlining and process improvements.
- Received endorsements from local community groups for the working group’s recommendations.

More information about the development rights strategic initiative is available online at <http://www.trpa.org/about-trpa/how-we-operate/strategic-plan/development-rights/>.

TRANSPORTATION STRATEGIC INITIATIVE

TRPA’s transportation initiative will enhance Lake Tahoe’s transportation system with improved trails, transit, and technology. The approval of the 2017 Regional Transportation Plan, Linking Tahoe, was the first essential step. The most significant issue the initiative aims to address is heavy visitor traffic that causes congestion in community centers, at recreation areas, and at regional entry and exit points.

***Strategic Initiative Desired Outcomes:** Accelerate threshold attainment by implementing the Regional Transportation Plan, reducing air pollution, improving water quality, enhancing recreational opportunities and mobility, and shifting people to biking, walking, and transit use.*

Travel Management

The travel management program implements strategies aimed at influencing people's choices about how and when they travel to reduce traffic congestion. TRPA and partners are working to increase awareness and education around transportation options. Launched in June, the www.LinkingTahoe.com website was refurbished as a travel option website. The website provides a portal for residents and visitors to know their travel options before they choose how to get to, through, and around Lake Tahoe. Over 3,000 Linking Tahoe brochures were distributed to lodging providers, visitor centers, and local businesses in the Lake Tahoe Region.



Screenshot from www.LinkingTahoe.com where visitors can click on different ways to get around Tahoe and get more information on that mode of transportation.

Bi-State Transportation Working Group

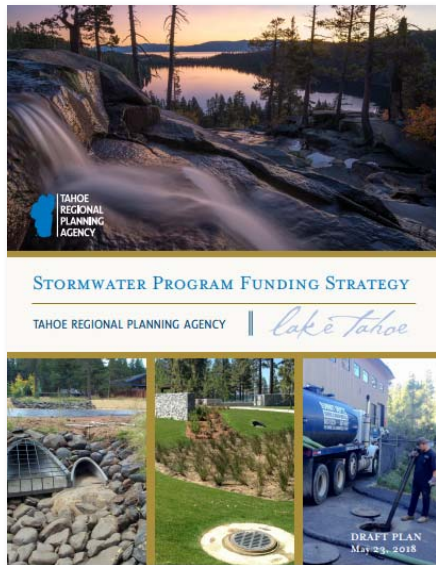
The Lake Tahoe Bi-State Transportation Consultation Working Group, formed in April 2017, aims to provide leadership and alignment for transportation implementation at Lake Tahoe and build transportation system connections with northern California and Nevada. Co-chaired by California Secretary of Natural Resources John Laird and Director of the Nevada Department of Conservation and Natural Resources Bradley Crowell, the working group includes regional, local, and private sector leaders from around the basin. The group is working through its four subcommittees to identify and resolve obstacles that slow Tahoe's Regional Transportation Plan implementation. In preparation for the Lake Tahoe Summit in August, the working group is putting together a 14-partner agency commitment to multi-modal corridor implementation planning; rolling out an on demand micro transit service on the South Shore; creating a Tahoe branded smart-phone application for carpooling; preparing a memorandum of understanding between California and Nevada departments of transportation focusing on freight and possibly passenger rail to Tahoe; and organizing a 10-year Transportation Action Plan of priority projects designed to double the numbers now using transit, biking, and walking instead of their cars.

STORMWATER MANAGEMENT OPERATIONS & MAINTENANCE STRATEGIC INITIATIVE

TRPA's stormwater initiative will improve water quality and advance threshold attainment by helping local governments establish sustainable long-term funding for stormwater operations and maintenance. A Tahoe Resource Conservation District stakeholder assessment is the basis to develop a financial outlook and unified action plan for California local governments to fund

stormwater operations and maintenance. TRPA is assisting stakeholders from Nevada that want to join the process.

Strategic Initiative Desired Outcomes: *A sustainable governance structure and action plan to secure regional funding for stormwater management operations and maintenance that supports meeting and maintaining threshold and federal water quality standards.*



Stormwater Program Funding Strategy Endorsed by the Governing Board

In May, TRPA's stormwater program manager presented the Stormwater Program Funding Strategy to the Governing Board. The strategy identifies several short- and long-term program funding options to continue providing TRPA's services after grant funding concludes in December 2018. The board endorsed strategies to streamline program requirements and pursue cost recovery.

In support of broader funding goals, the Road to Blue Stormwater Funding Partnership is moving ahead to implement next steps for securing dedicated funding streams for stormwater operations and maintenance. Pending litigation against government jurisdictions outside Tahoe that tested the most promising funding strategies has slowed the Tahoe partnership's progress on finalizing Tahoe's approach.

Stormwater Leadership Exchange

In April, TRPA Stormwater Program Manager Shay Navarro participated in a peer-to-peer leadership exchange in Washington, D.C., with other governmental stormwater professionals. Topics included national precedents on stormwater funding and maintenance, green stormwater infrastructure, and nature-based solutions. As an outcome from the exchange, TRPA now participates on an international cold climate working group that addresses installation, maintenance, and performance considerations for stormwater infrastructure in cold climates.



TRPA Stormwater Program Manager Shay Navarro with other stormwater professionals in a leadership exchange in Washington, D.C.

BMP Certificates Issued

TRPA issues best management practices (BMP) certificates to recognize a parcel's compliance with stormwater management BMPs in TRPA's Code of Ordinances. The Stormwater Management Program targets priority properties for BMP compliance in coordination with local jurisdictions to achieve required pollutant load reductions. Concentrating on commercial and large multi-family (six

units or more) properties is shown by the Total Maximum Daily Load (TMDL) analyses to generate more pollutant load compared to single-family residential properties. This quarter, TRPA issued 96 BMP certificates: 36 for single family residential parcels and 60 for multi-family residential parcels. The cumulative total for 2018 is shown below:

| BMP Certificates issued from January 1 to June 30, 2018 | | | | | |
|---|----------------------------------|--|--|--|---|
| California | Land Use | Total Certificates Issued Year to Date | Certificates Issued Through Permitted Projects | Certificates Issued Through Voluntary Compliance | Certificates Issued Through Enforced Compliance |
| | Single Family Residential | 31 | 22 | 8 | 1 |
| | Multi-Family Residential | 0 | 0 | 0 | 0 |
| | Commercial | 3 | 0 | 1 | 2 |
| | California Total | 34 | 22 | 9 | 3 |
| Nevada | Single Family Residential | 20 | 5 | 2 | 12 |
| | Multi-Family Residential | 62 | 58 | 2 | 3 |
| | Commercial | 0 | 0 | 0 | 0 |
| | Nevada Total | 82 | 63 | 4 | 15 |
| | Total Certificates Issued | 116 | 85 | 13 | 18 |

- **Non-compliance letters:** During the second quarter of 2018, TRPA issued notice of failure to install and maintain BMPs letters to the owners of 120 non-compliant parcels.
- **Lake-Friendly Businesses:** At the end of June, 95 businesses were members of the Lake Friendly Business Program, up from 80 businesses at the same time last year. This incentive program recognizes local businesses that complete and maintain BMPs by publicly acknowledging them as good stewards of the lake through print advertisements and social media campaigns.
- **Reporting and Data Analysis:** Work continued integrating TRPA's BMP database with the Lake Tahoe Info TMDL stormwater tools. A highlight of this work enabled the automatic calculation of six of the eight stormwater Environmental Improvement Program performance measures. These integrations help ensure improved data quality and increase reporting efficiency.
- **Area-Wide Treatment Plans:** In June, TRPA's Stormwater Management Program met with each of Tahoe's local jurisdictions to initiate planning for area-wide stormwater treatment opportunities in the Lake Tahoe Basin. The meetings addressed processes and criteria to map potential area-wide treatment opportunities and identify parcels requiring infiltration BMPs versus source control BMPs only.
- **Training and Education:** TRPA's Stormwater Management Program staff held four BMP trainings for local jurisdiction and TRPA Current Planning staff on BMP regulations and design and maintenance considerations when reviewing and approving development projects.

FOREST HEALTH STRATEGIC INITIATIVE

TRPA's forest health strategic initiative builds on a decade of work by the Tahoe Fire and Fuels Team partnership to implement the Lake Tahoe Basin Multi-Jurisdictional Fuel Reduction and Wildfire Prevention Strategy. The initiative is building a shared vision for forest management in the Tahoe Region, including completing fuels reduction treatments in the wildland-urban interface, identifying and addressing current and future threats to Tahoe's forests and watersheds, and extending forest management actions in the general forest to accomplish large, landscape-scale, multi-benefit restoration through a collaborative multi-agency process.

***Strategic Initiative Desired Outcomes:** Reduce the threat of fire in the wildland-urban interface and implement forest restoration at a large-landscape scale.*

Lake Tahoe West Partnership

This quarter, the Lake Tahoe West Interagency Design Team continued progress on developing the Landscape Restoration Strategy for Tahoe's forested landscape on the west shore. The team actively worked with the Science Coordination Team to complete scientific modeling to assess the effect of four management scenarios on a suite of ecosystem values and services. The



The Interagency Design Team also led a stakeholder field trip in June, where stakeholders visited several locations with active restoration activities. The field trip's goal was to demonstrate to stakeholders the types of restoration activities that are being evaluated for the Landscape Restoration Strategy. Christina Restaino, Forest Ecosystem Health Program Manager, is the lead of the Interagency Design Team and a co-lead of the Science Coordination Team.

Forest Health Threshold Update

This quarter, TRPA worked with numerous stakeholder groups, including the Tahoe Fire Fuels Team and the Lake Tahoe West Interagency Design Team, to review TRPA's current forest health thresholds, and evaluate, based on current science, emerging threats, and changing state policies, whether changes or additions may be needed. A general outline of concepts under considerations were presented to the Tahoe Interagency Executive Steering Committee and the TRPA Governing Board in June 2018. A TRPA Code Working Group, a subset of the Tahoe Fire and Fuels Team, was also formed to begin looking at how the code may be updated for forestry practices to align with new forest health values in the updated thresholds.

Forest Health Project Funding

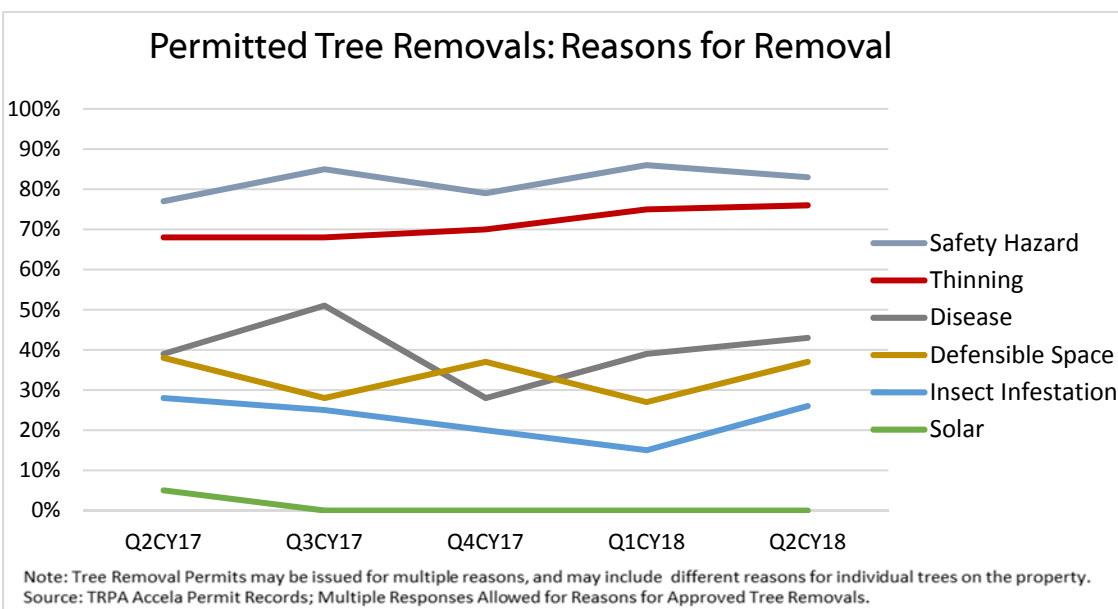
In June, the U.S. Forest Service Lake Tahoe Basin Management Unit was allocated \$2.5 million from the Lake Tahoe Restoration Act funding authorization. This funding will be used to support the Lake Tahoe West Restoration Partnership and hazardous fuel reduction projects on the west and north shores.

Urban Forestry/Tree Removal Permits on Private Property

TRPA foresters are part of the network of forestry and fire professionals who help private landowners keep their property safe and defensible from wildfire. TRPA's staff forester provides expertise in tree risk assessment and serves private property owners in the Tahoe Basin with thorough tree evaluations. The table below summarizes tree removal applications by quarter since the second

quarter of 2017. In the second quarter of 2018, TRPA received 271 tree removal applications. Trees removed due to safety hazard continue to be the primary reason for marking trees for removal. The number of permits submitted online is up seven percent from the same quarter last year.

| Summary of TRPA Tree Removal Applications & Permitting Activity Quarter 2 2017 through Quarter 2 2018 | | | | | |
|--|--------------|--------------|--------------|--------------|--------------|
| | Q2 CY2017 | Q3 CY2017 | Q4 CY2017 | Q1 CY2018 | Q2 CY2018 |
| Tree Removal Applications Received | 270 | 338 | 153 | 90 | 271 |
| Number of Trees Permitted for Removal | 1,141 | 1,296 | 520 | 339 | 1,431 |
| Percent Applications Submitted Online | 62% | 60% | 67% | 68% | 69% |
| Source: TRPA Accela Permit Records | | | | | |



AQUATIC INVASIVE SPECIES STRATEGIC INITIATIVE

Control of existing aquatic invasive species (AIS) is one of three core AIS programs, complementing the well-known prevention program as well as early detection/rapid response. Boat inspection fees and funding from California and Nevada combine to fund the boat inspection program. The primary need going forward is to secure AIS control program funding to implement Tahoe's science-based AIS Control Implementation Plan and prioritize effective projects to push back existing populations of AIS.

Strategic Initiative Desired Outcomes: Control of invasive weeds, clams, and fish enhances and restores Tahoe's unique ecosystem and protects Tahoe's recreation and tourist-based economy. Secure funding for the AIS control program, and carry out the prioritized implementation plan, and align control projects to reduce existing AIS.

AIS Program Funding

TRPA and program partners made significant gains in obtaining funds for the AIS program. During this quarter, TRPA was appropriated \$3.088 million from the U.S. Fish and Wildlife Service through the Lake Tahoe Restoration Act. The funds are slated for implementing a facilitated and mediated approach for the Tahoe Keys control project and invasive aquatic plant control.

AIS Prevention

The four boat inspection stations opened on May 1 and will operate through September 30. The stations are located at Spooner Summit, Meyers, Alpine Meadows, and Truckee.

AIS Control

- Asian clam control work continued at Sand Harbor State Park utilizing rubber bottom barriers that suffocate the clams but leave their shells behind. Staff is looking for innovative approaches to clam control that would remove clams from the lake and are planning to do a test project in the fall.
- The TRPA Hearings Officer approved the use of laminar flow aeration in the Ski Run Marina to reduce the organic layer at the bottom of the lake that invasive aquatic plants use for food.
- TRPA issued a request for proposals seeking a mediation/facilitation team for the Tahoe Keys project. Three proposals have been received and a review of the proposals is underway.
- Control work on invasive weeds in Elks Point Marina started.

AIS Monitoring

A contractor has been selected to develop an aquatic plant monitoring plan and implement a survey. The plan will describe multiple techniques for monitoring and provide a consistent survey tool to track changes in AIS populations over time.

ONGOING INITIATIVES AND ANNUAL ACTIVITIES

LONG RANGE & TRANSPORTATION PLANNING DIVISION

Long range planning priorities are established by TRPA's Governing Board annually and reviewed based on evaluations of progress toward achieving and maintaining environmental threshold standards every four years.

Sustainable Recreation

This quarter, the Sustainable Recreation Working Group hosted its first stakeholder workshop for the development of a regional recreation strategic plan. The workshop brought together 50 stakeholders representing public, private, and community interests. Five shared recreation values emerged at the workshop: shared stewardship, access for all, quality experience, respect for communities, and health and well-being. Next steps include garnering community input on recreation experience and needs, integration of recreation into the State Route 89 Recreation Corridor Plan, developing shared recreation indicators, and beginning development of a sustainable recreation strategy for the Tahoe Basin.

Electric Vehicle Readiness

TRPA completed an education and outreach campaign promoting electric vehicles. Actions included digital ads, social media, an electric vehicle poker run, and car show. Overall, the digital

campaign had over 500,000 impressions, 13 cars participated in the poker run, and five cars participated in the car show. The goal of the campaign was to raise awareness of the availability of electric vehicle charging stations at Lake Tahoe and promote the use of electric vehicles. Greater use of electric vehicles reduces lake polluting carbon fuel emissions and reduces greenhouse gas production.

Chile Clear Lakes

Learning from and contributing to conservation work in other parts of the globe that share Lake Tahoe's concerns enhances our practices here at home and reputation as a global leader. Representatives from TRPA, the League to Save Lake Tahoe, and University of California, Davis took part in an international delegation trip to the Los Rios Region of Southern Chile, specifically, Lago



Signing of an international partnership between Lake Tahoe and Chile.

Panguipulli. The trip included meetings with federal, regional, and local officials, universities, community groups, and indigenous tribes. The purpose of the trip was to help the region sustainably develop their lakes to avoid environmental degradation. Over 230 people attended a public workshop as part of this event, resulting in the signing of an international partnership proclamation between Lake Tahoe and Chile.

American Planning Association Presentation

TRPA transportation staff presented on a panel this quarter at the national American Planning Association conference. The panel explored the benefits of using anonymous aggregated cell phone information in transportation master planning and other types of planning projects. Mining cell phone data, one of 44 sessions on transportation that day, received the American Planning Association Transportation Planning Division endorsement as the most informative and useful session for the day.

2018 Tahoe Bike Challenge

The 13th annual Tahoe Bike Challenge had 196 participants who traveled over 11,215 miles on foot or bicycle, stopping 12,105 pounds of carbon dioxide emissions from entering the atmosphere. Collectively, participants burned 482,245 calories and saved \$2,493 in gasoline costs. The team challenge had 32 local businesses compete for the most miles and trips with TRPA logging over 1,635 car-free miles. The winners were as follows:

- **Team challenge winners (Most Trips)**
 - First – South Tahoe Refuse and Recycling, 259 trips
 - Second – Lake Tahoe Community College, 252 trips
 - Third – League to Save Lake Tahoe, 250 trips

- **Team challenge winners (Most Trips Per Employee)**
 - First – El Dorado County Department of Transportation/Library, 32.33 trips per employee
 - Second – Tahoe Telecommuters, 17.57 trips per employee
 - Third – Lake Tahoe Community College, 14.82 trips per employee

Safe Routes to School Program

The Safe Routes to School program provided in-class pedestrian and bicycling safety lessons to 894 elementary school students and four bicycle safety classes reaching 634 students during this quarter.

Lake Tahoe Region Safety Plan

As required by the Fixing America's Surface Transportation Act, TRPA is coordinating with the states of California and Nevada on safety performance measure targets with the goal of decreasing crashes. Supporting this effort, TRPA and partners continue to work on the Lake Tahoe Region Safety Plan. Recent accomplishments include development of a 'Tahoe Travel Shed' concept that will guide how projects are designed and operated to prioritize safety improvements for all roadway users. Partners are also finalizing two memorandums of understanding to document commitments to improving crash data collection and analysis, utilizing a countermeasure toolbox, and using a Tahoe-specific performance metric tool for determining design volumes. Lastly, partners are developing eight priority projects to move forward for construction funding consideration through each state's Highway Safety Improvement Program.



Elementary school students learn about bike safety at the annual bike rodeo during the Tahoe Bike Challenge.

CURRENT PLANNING DIVISION

The basin partnership achieves environmental threshold benefits through project implementation by the public and private sectors. The Current Planning Division reviews project applications in a timely and consistent manner to serve the public and help facilitate environmental improvement and economic investment in Lake Tahoe communities.

Hearings Officer Meetings

The Hearings Officer approved 15 project applications this quarter:

- Three land capability challenges;
- The modification of a potentially historic lakefront home;
- Three gas line replacement projects for Southwest Gas in Kings Beach, Meyers, and the City of South Lake Tahoe;
- A new monopine cellular tower at Edgewood Golf Course;
- A permit for Nevada Energy to rebuild the existing underground electric distribution system within the PineWild Subdivision in Douglas County;

- An addition to an existing single-family residence within Incline Village;
- A permit to construct a new building for relocation of an emergency diesel generator for the South Tahoe Public Utility District;
- A special use permit to renovate and expand facilities at Galilee Episcopal Camp and Conference Center near Glenbrook;
- A permit to install two avalanche control devices at Alpine Meadows Ski Area;
- A new commercial warehouse building near the South Lake Tahoe Airport; and,
- Ski Run Marina Laminar Flow Aeration Environmental Improvement Project to reduce aquatic invasive species.

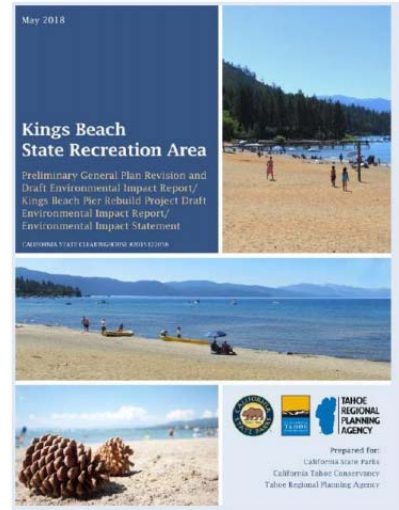
Permit Application Review

The number of permit applications received this quarter is up compared to the same quarter last year. The increase in shorezone applications is likely due to the onset of a six-month permitting pause during the final stages of review of the Shoreline Plan update. The increase in residential applications can be partially attributed to TRPA assuming Washoe County permit reviews following the County's memorandum of understanding suspension earlier this year. Forty-four of the 83 residential projects in the second quarter were for residential projects within Washoe County.

| Summary of TRPA Project Applications Received Quarter 2 2017 through Quarter 2 2018 | | | | | |
|--|--------------|--------------|--------------|--------------|--------------|
| | Q2 CY2017 | Q3 CY2017 | Q4 CY2017 | Q1 CY2018 | Q2 CY2018 |
| Applications Received¹ | 234 | 243 | 199 | 213 | 278 |
| Residential Projects ² | 42 | 44 | 25 | 50 | 83 |
| Commercial Projects ² | 4 | 5 | 4 | 4 | 5 |
| Recreation/Public Service Projects ² | 9 | 9 | 11 | 16 | 11 |
| Environmental Improvement Construction Projects | 5 | 1 | 0 | 5 | 5 |
| Shorezone/Lakezone Projects ² | 7 | 7 | 5 | 4 | 22 |
| Grading Projects | 10 | 16 | 7 | 5 | 12 |
| Verifications and Banking ³ | 132 | 124 | 123 | 91 | 94 |
| Transfers of Development | 10 | 5 | 7 | 13 | 14 |
| Other ⁴ | 15 | 32 | 17 | 25 | 32 |
| Notes: 1 Does not include Exempt projects, Qualified Exempt declarations, Tree Removal applications, or Administrative applications. 2 Includes New Development and Additions/Modification 3 Includes Soils/Hydrology Verifications, IPES, Land Capability Verifications, Land Capability Challenges, Verifications of Coverage, Verifications of Uses, Site Assessments and Standalone Banking Applications 4 'Other' includes Historic determinations, Lot Line Adjustments, Temporary projects, Scenic, Underground Tank Removal, Subdivision of Existing Uses, Sign, Allocation Assignments, and other miscellaneous project types Source: TRPA Accela Permit Records | | | | | |

Kings Beach State Recreation Area General Plan & Pier Project

TRPA, California State Parks, and the California Tahoe Conservancy released the Kings Beach State Recreation Area General Plan Revision and Pier Rebuild Project Draft Environmental Impact Report/ Statement for a public comment period which ended at the end of June. The pier rebuild is an Environmental Improvement Program project to enhance public recreation access both to and from Lake Tahoe. A relocated and expanded public pier that stood high and dry during the recent drought would be newly accessible for both lake viewing and boating access at most water levels. The proposed pier project will likely move forward for approval under the new Shoreline Plan and code. Additional benefits to both scenic and fish resources would be achieved through required mitigation under the new Shoreline Plan.



ENVIRONMENTAL IMPROVEMENT PROGRAM DIVISION

TRPA's Environmental Improvement Division leads the Lake Tahoe Environmental Improvement Program (EIP), a collaborative public and private, multi-jurisdictional capital investment program to conserve and restore Lake Tahoe's environment and enhance public recreation opportunities. The division leads the development of new financing strategies for future projects and programs, sets priorities so limited funding achieves maximum threshold gain, and builds new associations beyond the Tahoe Region to improve implementation and leverage new funding sources.

California Lands Stewardship Network: Field Trip to Muir Woods

EIP Division Manager Kim Caringer attended the California Lands Stewardship Network at the Asilomar State Park Conference Center in June 2018. The network is a group of regional partnerships that practice collaborative, cross-jurisdictional landscape-scale stewardship in California. This "network of networks" was formed in late 2016 to exchange ideas and experience, share tools, build



California Lands Stewardship Network members on a field trip to Muir Woods. Photo by Sue Gardner.

relationships, meet collective priorities, and promote innovation among land stewardship practitioners and colleagues. Caringer organized a field trip for Tahoe staff from numerous agencies to meet with staff at the Muir Woods National Monument who recently unveiled a new parking management and reservation system. Both teams found the exchange to be valuable in learning about and sharing solutions to

similar challenges in balancing access and natural resource protection and addressing growing congestion that impacts visitor experience.

Field Tour for Assemblyman Garcia

The EIP Division assisted in planning and giving a Lake Tahoe tour to California Assemblyman Eduardo Garcia of the 56th Assembly District, which encompasses Imperial County and parts of Riverside County. Assemblyman Garcia recently introduced Assembly Bill 1918 which proposes to establish the Office of Sustainable Recreation to promote economic development and job growth in California's outdoor recreation economy. Also, the Salton Sea, located in Assemblyman Garcia's district, will receive \$200 million in restoration dollars from the recently passed California Proposition 68. The Assemblyman is interested in learning from Tahoe's Environmental Improvement Program and other collaboratives around California on how to structure a collaborative restoration program for the Salton Sea. This tour demonstrated Tahoe's challenges and successes in the EIP and highlighted the importance of Senate bills that will promote restoration around the state.

Mitigation Fund Releases

During the second quarter of 2018, TRPA released \$640,000 in mitigation funds to local jurisdictions for EIP project implementation and maintenance.

| Quarter 2 2018 – Approved Mitigation Fund Releases | | | |
|--|--|--|-----------|
| Month | Jurisdiction / Fund | Project | Amount |
| April 2018 | City of South Lake Tahoe/Stream Environment Zone Funds | Bijou Park Creek Watershed and SEZ Restoration Project | \$300,000 |
| | El Dorado/Air Quality Funds | Meyers Corridor Operational Improvement Project | \$50,000 |
| | El Dorado/Air Quality Funds | East San Bernardino Ave Class 1 Bike Trail Project | \$60,000 |
| | El Dorado/Operations & Maintenance Funds | Purchase of Tymco 500X Street Sweeper | \$50,000 |
| | April Total | | \$460,000 |
| May 2018 | Washoe/Air Quality Funds | Purchase of Tymco High-Efficiency Street Sweeper | \$65,000 |
| | Washoe/Operations & Maintenance | Repair of retaining wall along Beowawie Road | \$35,000 |
| | May Total | | \$100,000 |
| June 2018 | Douglas/Operations & Maintenance | Repair and upgrade of two stormwater basins | \$80,000 |
| | June Total | | \$80,000 |
| Quarter 2 2018 Total | | | \$640,000 |

RESEARCH & ANALYSIS DIVISION

TRPA monitors hundreds of environmental threshold standards, performance measures, and management actions for progress and effectiveness. TRPA's Research and Analysis Division connects the science community to the implementation of the regional plan and provides the best possible information for policy decisions, operations, and accountability. The division organizes science inputs, builds data platforms, monitors and maintains current data, and analyzes information needed for policy development and decision making.

LakeTahoeInfo.org Development

TRPA continued to develop the <https://laketahoeinfo.org> website this quarter with enhancements to make it more accessible, user-friendly, and valuable to the user. Highlights and new features include:



- Information about 706 parcels was updated in the Parcel Tracker this quarter. TRPA also responded to 91 help requests directly through the Parcel Tracker. These requests were from property owners, real estate agents, and MOU partners requesting updated permitting information on a parcel.
- The Monitoring Dashboard (<https://monitoring.laketahoeinfo.org/>) was enhanced this quarter to show more featured monitoring programs. Noise monitoring, stream monitoring, and Tahoe Yellow Cress monitoring data can now be viewed and downloaded from the dashboard. More featured monitoring programs will be added next quarter.
- The LT Info Stormwater Tools (<https://stormwater.laketahoeinfo.org/>) are now open for public viewing. Previously only the Stormwater Tools homepage was available to the public, and other pages were limited to logged-in jurisdictional and regulatory users. Most pages in the Stormwater Tools are quite technical in nature, but in keeping with LT Info's core values of transparency and accountability this area is now open to the public.

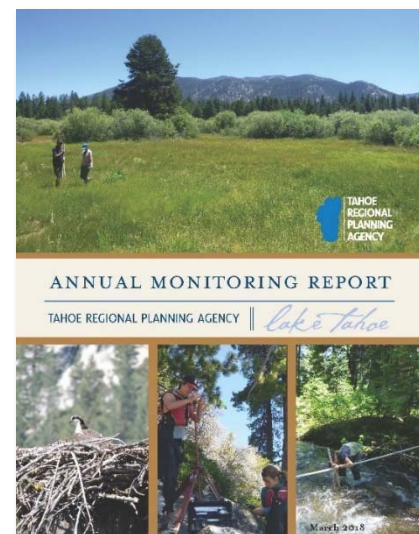
Automation of Data Updates

This quarter, Research and Analysis Division staff created custom solutions to further automate data updates to parcel and monitoring datasets. The automated updates improve accuracy for end users and TRPA efficiency by minimizing time spent working on repetitive tasks.

TRPA Annual Monitoring Report Released

TRPA released its first ever annual monitoring report this quarter, the 2017 Annual Monitoring Report. While the TRPA Threshold Evaluation reports comprehensively on monitoring results from across the basin partnership the annual report keys in on monitoring performed by TRPA related to the threshold categories of streams, SEZ, air quality, noise, wildlife, Tahoe Yellow Cress, and bicycle/pedestrian usage. The annual report is another step moving the basin partnership closer to the goal of real time progress reporting that eliminates the four-year waiting period between comprehensive threshold evaluations. The 2017 Annual Monitoring Report can be viewed at:

<https://monitoring.laketahoeinfo.org/FileResource/DisplayResource/ce846a97-d27f-4af4-9c8d-5d1e07459dc2>



EXTERNAL AFFAIRS

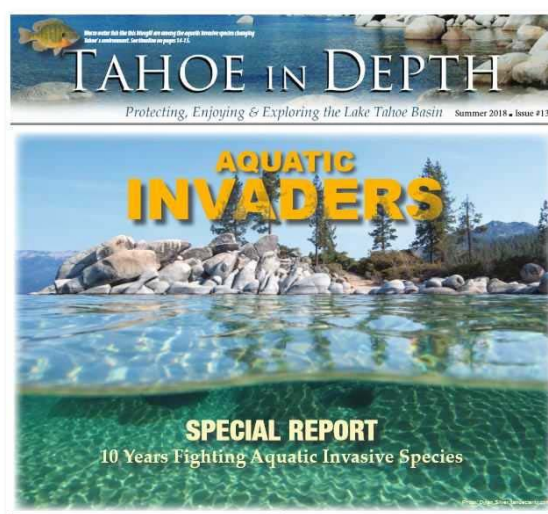
TRPA supports a culture committed to public education, outreach, and community engagement to implement the Tahoe Regional Plan. The external affairs team leads public engagement initiatives in collaboration with a wide variety of agency and nonprofit stakeholders. This quarter, TRPA continued ongoing education and outreach in the Lake Tahoe Region to raise public awareness about issues at Lake Tahoe and improve public understanding about the role of TRPA and the EIP collaborative partnership.

Legislative Affairs: External Affairs staff continued working with Tahoe’s congressional delegation on future Lake Tahoe Restoration Act appropriations, helping secure \$15 million through appropriations committees that would be part of any final budget negotiations. Staff also supported TRPA’s general budget requests with the states of California and Nevada, and worked on California’s Proposition 68, the parks, environment and water bond.

Tahoe In Depth: TRPA and its partners published the summer 2018 issue of Tahoe In Depth. The issue includes a special report on 10 years of fighting aquatic invasive species at Lake Tahoe and the 10th anniversary of the watercraft inspection program that has successfully prevented any new invasive species introductions over the last decade.

Staff Trainings: External affairs organized a series of trainings in May for TRPA staff to improve their writing and communication skills.

Community Presentations: Staff made a series of presentations to Realtor groups at Lake Tahoe to update them about TRPA initiatives including the Shoreline Plan, the development rights strategic initiative, and new property and permit research tools available on www.LakeTahoeInfo.org.



Take Care: TRPA staff helped launch an updated TakeCareTahoe.org (<https://takecaretahoe.org/>) website. The website for the collaborative environmental stewardship campaign has expanded into a one-stop shop for information about environmental education, volunteer opportunities, and visitor centers in the Lake Tahoe Basin.

Lake Spirit Awards: TRPA recognized four people—Amy Berry, Jacob Quinn, Sue Hughes, and Gavin Feiger—with Lake Spirit Awards to recognize their dedication to improving Lake Tahoe’s environment, communities, and recreation opportunities.

Scholarships: TRPA awarded two high school seniors at Lake Tahoe with college scholarships totaling \$1,000. Funding for the scholarships is raised via donations made by TRPA staff and Governing Board and Advisory Planning Commission members. Over the last 12 years, TRPA has awarded more than \$14,000 in scholarships to 30 local students pursuing environmental and science degrees in college.

Snapshot Day: TRPA staff led a team for Snapshot Day, helping the California Conservation Corps take water quality samples at a site along Taylor Creek.

FINANCE, INFORMATION TECHNOLOGY, & FACILITIES

Finance Update

TRPA made significant progress on budget activities this quarter. The annual operating budget was presented to and approved by the Governing Board. California has approved its budget, including TRPA's allocation for fiscal year 2018/19. Nevada is in the second year of its biennial budget cycle, so TRPA's funding was approved last year. Work has begun on the fiscal year 2019/21 biennial budget for Nevada and the fiscal year 2019/20 budget for California. TRPA's Transportation Overall Work Plan for fiscal year 2018/19 has been approved by the funders. Additional Special Programs (Grant) funds were received from the U.S. Forest Service under the Lake Tahoe Restoration Act.

Facilities Update

The agency is in the process of renewing a lease with the General Services Administration and is in negotiations with other potential lessors. During the last three months, solar panels on the roof of the TRPA building have generated 382,751 kilowatt hours of electricity reducing carbon dioxide emissions by 268 tons.

HUMAN RESOURCES

Training and Development

The second quarter brought more staff training and development to TRPA. Alison Gaulden of the University of Nevada, Reno Reynolds School of Journalism delivered three custom sessions of "Writing for Results." Michael Ward of HighBar Global delivered "Performance Communications" training to supervisors.

TRPA Boat Crew Returns

In May, TRPA welcomed back its seasonal boat crew: Ted Truscott, Jeff Miller, and Kristian Morehead. Ted and Jeff join for their fourth summer season, and Kris for his fifth.

TRPA Summer 2018 Interns

TRPA welcomed new summer interns this quarter. Lindsey Costello joined the Research and Analysis Division as a permit research technician intern. She has a bachelor's degree in environmental planning and design and is enrolled at the University of Washington in the masters of sustainable transportation program. James Osgood, a student at Lehigh University studying finance and economics, is working in the Finance Team, focused on continuous improvement project to streamline the processing of agency securities. Rosalie Annand, a senior studying environmental management and protection at California Polytechnic University, is an intern in the Long Range and Transportation Planning Division. Rosalie is supporting the Shoreline Plan and the Development Rights Initiative.

New TRPA Staff

Steve Biddle, Finance Department

TRPA said good bye to its terrific facilities manager, Chuck Hanson, who announced his retirement. Taking his place is Steve Biddle, who joined the agency in June after several years in facilities and maintenance roles at technology firms. Steve recently relocated to the Carson Valley from Southern California to be closer to family in the area.



Robbie Graves, Current Planning Division

Robbie Graves joined TRPA in April as a senior management assistant, providing administrative support to the Current Planning Division and Long Range and Transportation Planning Division. Robbie has over five years of hospitality and office management experience and most recently worked for Chase International Real Estate as an executive assistant to the CEO.