TAHOE REGIONAL PLANNING AGENCY ADVISORY PLANNING COMMISSION NOTICE OF MEETING

NOTICE IS HEREBY GIVEN that the **Advisory Planning Commission** of the Tahoe Regional Planning Agency will conduct its regular meeting at **9:30 a.m.** on **Wednesday**, **June 13, 2018** at the **TRPA Offices**, located at **128 Market Street**, **Stateline**, **NV**. The agenda for the meeting is attached hereto and made a part of this notice.

June 6, 2018

Amarchetta

Joanne S. Marchetta Executive Director

TAHOE REGIONAL PLANNING AGENCY ADVISORY PLANNING COMMISSION

TRPA Stateline, NV June 13, 2018 9:30 a.m.

AGENDA

- I. CALL TO ORDER AND DETERMINATION OF QUORUM
- II. APPROVAL OF AGENDA
- III. PUBLIC INTEREST COMMENTS

Any member of the public wishing to address the Advisory Planning Commission on any item listed or not listed on the agenda may do so at this time. TRPA encourages public comment on items on the agenda to be presented at the time those agenda items are heard. Individuals or groups commenting on items listed on the agenda will be permitted to comment either at this time or when the matter is heard, but not both.

All public comments should be as brief and concise as possible so that all who wish to speak may do so; testimony should not be repeated. The Chair shall have the discretion to set appropriate time allotments for individual speakers (3 minutes for individuals and 5 minutes for group representatives as well as for the total time allotted to oral public comment for a specific agenda item). No extra time for speakers will be permitted by the ceding of time to others. Written comments of any length are always welcome. So that names may be accurately recorded in the minutes, persons who wish to comment are requested to sign in by Agenda Item on the sheets available at each meeting. In the interest of efficient meeting management, the Chair reserves the right to limit the duration of each public comment period to a total of 2 hours. In such an instance, names will be selected from the available sign-in sheet. Any individual or organization that is not selected or otherwise unable to present public comments during this period is encouraged to submit comments in writing to the Advisory Planning Commission. All such comments will be included as part of the public record.

NOTE: THE ADVISORY PLANNING COMMISSION IS PROHIBITED BY LAW FROM TAKING IMMEDIATE ACTION ON, OR DISCUSSING ISSUES RAISED BY THE PUBLIC THAT ARE NOT LISTED ON THIS AGENDA.

- IV. DISPOSITION OF MINUTES
- V. PUBLIC HEARINGS
 - A. Hearing and Public Comment on the Shoreline Discu Plan Draft Environmental Impact Statement Publ

Discussion and Page 1 Public Comment

	В.	Hearing and public comment on the Kings Beach Pier Rebuild Project Draft Environmental Impact Statement/Impact Report, TRPA File# EIPC2018-0003 in Kings Beach, CA (Placer County APNs 090-080-016 e	Discussion and Public Comment t al.)	<u>Page 35</u>
VI.	PL/	ANNING MATTERS	,	
	A.	Development Rights Strategic Initiative Update	Informational Only	<u>Page 51</u>
VII.	RE	PORTS		
	A.	Executive Director	Informational Only	
		1) Strategic Initiatives Monthly Status Report	Informational Only	<u>Page 53</u>
	Β.	General Counsel	Informational Only	
	C.	APC Members	Informational Only	
VIII.	ΡU	BLIC COMMENT		

IX. ADJOURNMENT

TAHOE REGIONAL PLANNING AGENCY ADVISORY PLANNING COMMISSION

TRPA Stateline, NV May 9, 2018

Meeting Minutes

I. CALL TO ORDER AND DETERMINATION OF QUORUM

Chair Mr. Teshara called the meeting to order at 9:30 a.m.

Members present: Mr. Alling, Mr. Buelna, Ms. Carr, Mr. Donohue, Mr. Drew, Mr. Esswein, Mr. Ferry, Ms. Ferris, Mr. Hitchcock, Mr. Hymanson, Mr. Young for Ms. Krause, Mr. Larsen, Mr. Plemel, Mr. Teshara, Mr. Weavil

Members absent: Mr. Guevin, Ms. Hill, Ms. McClung, Washoe Tribe

II. APPROVAL OF AGENDA

Mr. Larsen moved approval. Mr. Hymanson seconded the motion. Motion carried unanimously.

III. PUBLIC INTEREST COMMENTS

None.

IV. DISPOSITION OF MINUTES

Mr. Teshara provided Ms. Ambler with a minor edit.Mr. Young moved approval of the April 11, 2018 minutes as amended.Mr. Larsen seconded the motion.Mr. Hitchcock, Mr. Hymanson, Mr. Drew, and Mr. Esswein abstained.Motion carried.

V. PUBLIC HEARINGS

A. Amendment of Resolution 82-11 for the proposed technical corrections to the Environmental Threshold Carrying Capacities

TRPA team member Mr. Segan provided the presentation.

Mr. Segan said Resolution 82-11 is the resolution that adopted the threshold standards which are goals for environmental quality and restoration in the Basin. The Threshold Update Initiative Workplan was approved by the Governing Board in January 2018 that laid out two years of work to go through initial priorities within that threshold standard system.

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Those initial priorities were identified as technical corrections to the standards, overall system on how they are presented, sharing of information, and the focus areas of vegetation (forest health), stream environment zone, air quality (vehicle miles traveled), and recreation.

Why do we need the technical corrections? This process started in the 2015 Threshold Evaluation where there was a proposed assessment of the threshold standards against best practice for the establishment of standards such as being specific, measurable, attributable to the Agency, and relevant. Part of the assessment identified 43 standards that overlapped. The definition of overlap is the functional equivalence from a regulatory perspective.

The Tahoe Science Advisory Council was asked to provide a framework to categorize overlap, review the root cause of the overlap, and recommend a possible course of action to address it in the current system and prevent it from being introduced in the future. The Science Council provided a framework that identified five different types of overlap: Complete overlap, wholly encompassed standards, competing targets, indirect overlap, and policy statements as standards. Work was done with the Science Advisory Council to apply that framework and then the application of that framework went through the stakeholders working group to assess the next steps.

Commission Comments & Questions

Mr. Hymanson asked if it would also identify the kind of overlap.

Mr. Segan said yes, that is correct.

(presentation continued)

Mr. Segan said there are three primary goals; maintain equivalent level of protection, reduce uncertainty and potential conflict between regulated parties and TRPA, and reduce uncertainty of duplication of effort. The overlapping standards were put into two broad categories of non-policy technical corrections where changes could be done and still meet the criteria and policy questions that would require a policy decision. Those types of overlap were not continued forward in this discussion because they require a policy decision. The low hanging fruit of the proposal summary are; numbering the individual standards, reorganization of water quality, non-degradation of wetlands, meadows, and deciduous trees, establish resolution 82-11 as a standalone document, remove outdated references, correction of typographic errors, and remove footnotes indicating modification dates.

Commission Comments & Questions

Mr. Hymanson asked for an example of a non-degradation standard.

Mr. Segan said it's a non-degradation standard to preserve vegetation communities and shall apply to meadows, native deciduous trees, and the wetlands.

Mr. Hymanson asked if there is a reference in the standard to a baseline condition.

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Mr. Segan said there is no baseline established for any of them, e.g., meadow, deciduous trees, or wetlands.

Mr. Alling referred to sequence 128, deer disturbance free zone and asked if it was correct that the threshold was going to be removed and folded into VP1 through wholly encompassed standards.

Mr. Segan said yes, that is correct.

Mr. Alling said in the original resolution 82-11 for deer, the disturbance zone is mapped areas and the influence are meadows. The mapped areas for deer habitat are not strictly meadow areas, there are other areas in the Basin that deer occupy. By removing that threshold and folding it into protection of meadows, it's missing the remaining areas that deer utilize outside the meadow areas. He disagreed with the removal of that threshold because it doesn't entirely fall under the umbrella of meadow areas to protect the deer.

Mr. Segan said the original version of Resolution 82-11, the disturbance zones of the deer areas were in meadows. In the 2012 update of the threshold standards they flip flopped this notion of disturbance and influence areas for deer. Staff reviewed archives of the adopted mylar maps to identify the influence zones for deer and there wasn't anything mapped beyond the meadows.

Mr. Alling said by folding that threshold into VP1, protection of deer is missing and does not fall into the spirit of maintaining an equivalent level of protection as required by the criteria. He recommended leaving it in and reviewing it when the update is done to the wildlife threshold.

Mr. Hymanson said 43 standards were identified as overlapping and after applying the criteria from the Science Council, it increased to 51. How many of those standards would go away with the technical corrections.

Mr. Segan said it is a reduction from 173 to 151, 22 total standards.

Mr. Hymanson asked if the remainder would follow that next bin of policy.

Mr. Segan said yes, they do with the possibility of one additional one from Mr. Alling's suggestion.

Mr. Hymanson referred to slide 16 of the presentation with the constituents that have loading standards associated with them. He asked if some of those originate from state standards.

Mr. Segan said the concentration standards originate from state standards but were not included because they were not identified as overlapping.

Mr. Hymanson asked if there is a situation where TRPA proposed to do something to a standard where the origin is from one of the two states.

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Mr. Segan said none of the standards will go away, they're moved to the end and combined based on the load target. Each load target lists all ambient states that it applies to the individual standards.

Mr. Hymanson said many of the load standards are an approach to achieving the higher order standard of lake clarity.

Mr. Segan agreed.

Mr. Hymanson said as part of that subsequent analysis, does it make sense to have this higher order of standard then specify the methods by which a higher standard can be achieved?

Mr. Segan said it is a guidance that has emerged from a number of outputs from the Science Council that the standards confused both the goals with how to accomplish those goals. And that the standards should focus on the ultimate goal and be supported by implementation framework that specifies individual targets to accomplish those goals.

Mr. Hymanson suggested that the degradation standards be put in the bin for more work. Perhaps they are more like policy statements, they're not specifying a reference condition or target level, they are making an aspirational statement. What is meant by degradation, because there are some things that can be controlled and some that can't.

Mr. Larsen said Attachment C and reorganizing Resolution 82-11 have helped him understand what is involved and where the starting point is.

Mr. Hymanson said the origin of the direction to develop thresholds comes from the Compact. He asked why we would go back to Resolution 82-11 to do cleanup, rather than reviewing the Compact and identifying Board direction and new technology for a new resolution to supersede 82-11.

Mr. Teshara said this gets to the fundamental failures of Pathway 2007. During Pathway 2007, there was an effort from some individuals that wanted to scrap Resolution 82-11 and start over.

Mr. Marshall said Resolution 82-11 is a vehicle for the adoption of the thresholds, it is the mechanism in which the Board takes action to satisfy their obligation under the Compact.

Mr. Hester said the working group discussed what format should the thresholds take on and where should they live. Structure and integration will be addressed by the Threshold Working Group.

Mr. Marshall said the working group will discuss the nature of the Resolution 82-11 document and see if there is something else more meaningful to both the science community, partners, public, etc. that may function better than a resolution (paper document) with amendments as part of it.

Ms. Carr referred to the Workplan-system/focus areas slide. The Threshold Update Initiative Stakeholders Working Group is instructed not to rewrite the standards but to ensure what is

written is workable and that all appropriate parties are involved. They'll be relying on other entities that will be involved in reviewing these standards. Many hours were spent to ensure that nothing was omitted from the existing Resolution 82-11 and what is being proposed. She's comfortable that staff was careful to ensure that nothing was left out in the transition to a clearer document.

Mr. Drew said it is his understanding that there is an incremental process to make changes and we're starting with the most basic items first. He had some of the same questions as Mr. Hymanson in terms of where this is going to live and how it will be documented. It would be good to create a table that will show the steps to be taken. We're starting with the administrative clean up and incrementally will get into the details and substantive elements. There will be different levels of effort and approvals that will be needed to make changes. Maybe that is the piece that is missing because there is an effort with the stream environment zone program to develop a monitoring plan. There are parallel activities happening and it would be good to be informed to make decisions.

Mr. Young said the document Resolution 82-11 is complex. More than a technical cleanup, they need to keep in mind as the group moves forward is establishing upfront a principal of accessibility, transparency, and easier to understand format.

Mr. Teshara suggested that before the Advisory Planning Commission vote on this agenda item, it may be helpful to have the other presentations to understand the linkage between them.

Mr. Marshall said that the next two agenda items are informational updates and suggested that the Advisory Planning Commission finish this item unless there is a strong sense the group would like to hear those items first. The APC can modify the motion to direct staff to ensure that there is no loss of protection for the deer habitat threshold or can specify that the Governing Board adopt Attachment C of the staff report except for deer habitat threshold.

Mr. Plemel said he is satisfied with staff's explanation that the adopted maps do not overlap and suggested that staff review those maps going forward. He does not want a motion that changes policy.

Mr. Alling said that is why the standard should remain in place because removing the protection for deer habitat and folding it under meadows, is not adequate.

Mr. Plemel said Mr. Alling's suggestion is a policy decision and not a technical correction.

Mr. Segan said staff agreed to leave the standard in and will look at additional maps to see if there is anything else mapped as an influence zone.

Mr. Hitchcock referred to slide 25 of the presentation, Stand-alone document/Roadway and Shoreline units, numerical standards, SR1–SR4. He suggested that it should be SR1-SR3, SR4 is the built environment threshold.

Mr. Marshall said if this is a typo in terms of SR1-SR4, it won't be changed in the thresholds. Where ever there is a reference to a table, staff would just attach the table.

Mr. Weavil said it seems like we've randomly and gratuitously identified a substantive change with deer habitat, how do we ensure that there are not more of those types of items that may have been overlooked.

Ms. Carr said when she reviewed this she took the original Resolution 82-11 and one of tables prepared by staff and compared the paragraphs and origin of standards in 82-11 and looked for the information in the restructured document to ensure that nothing was omitted or if combined that no integrity was lost.

Mr. Marshall said this was also vetted with other stakeholder groups.

Public Comments & Questions

None.

Commission Comments & Questions

Mr. Larsen made a motion to recommend Governing Board Adoption of Resolution 2018-____amending Exhibit A of Resolution 82-11, as shown in Attachment C, except amending Attachment C to include the deer habitat preservation as described in the currently adopted version of wildlife section of Attachment C.

Ms. Carr seconded the motion. Motion carried unanimously.

VI. PLANNING MATTERS

A. 2017 TRPA Monitoring Report Update

TRPA team member Ms. Vollmer provided the presentation.

Ms. Vollmer said all items monitored tie back to the thresholds except for bike and pedestrian which support regional trends, mode split, supporting grant applications, etc.

Stream Monitoring:

The threshold is to maintain 75 miles of excellent, 105 miles of good, and 38 miles of marginal stream habitat. This monitoring has been done since 2009 with 40 sites per year; 20 trend sites that are repeated every four years and 20 random sites. Bioassessment monitoring is used to collect macroinvertebrates and physical stream habitat measures to assess stream health. There are 600 plus macroinvertebrates collected at each site and are sensitive to water quality pollution, therefore, a good indicator of water quality. The macroinvertebrates are compared against pristine streams throughout California and Nevada using the California Stream Condition Index to obtain a stream score. Hundreds of measurements are taken on substrates, erosion, canopy cover, etc. to identify degraded conditions. Seventy-three percent of streams are in good or excellent condition and 27 percent are degraded based on 130 samples collected since 2009. Degraded conditions occur mostly in the South Shore and Incline Village and are where the majority of the

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environmental improvement program projects are. There are also degraded streams spread out throughout the Basin that are not currently on any restoration lists.

Stream Environment Zone Monitoring:

Stream monitoring is done for perineal streams and stream environment zone monitoring for non-perineal streams, wetlands, and riparian areas. This threshold has restored 25 percent of degraded SEZ in urban areas and restored 100 percent of degraded SEZ in non-urban areas. A trial monitoring program began in 2016 with 40 sites per year; 20 trend sites and 20 random sites. They've recently received a grant from the Environmental Protection Agency to develop a more formal monitoring plan. The monitoring is done with the California Rapid Assessment Method (CRAM) using the following to assess wetland function: Biotic structure, surrounding buffer, hydrology, and physical structure. From two years of data, 82 percent of SEZ are in good or excellent condition and 18 percent are degraded not including SEZ that have been developed. Degraded SEZ are widespread in developed and undeveloped areas and provide the opportunity for more restoration.

Wildlife Monitoring:

TRPA threshold monitors special status species including thresholds for Osprey, Peregrine Falcon, and Wintering Bald Eagle, etc. TRPA took over some wildlife monitoring from the U.S. Forest Service in 2010 as they lost some of their funding. There is funding for four Osprey nests, two Peregrine Falcon nests, and two for Wintering Bald Eagle. They do three lake wide boat and walking surveys on Fallen Leaf and Cascade Lakes annually. They coordinate their work with California State Parks, the Tahoe Institute for Natural Science, and the Nevada Department of Wildlife. The threshold is to maintain four nests and are well over that with 25 nesting sites. Peregrine Falcons were not found at Lake Tahoe from the 1980s to 2008. It was recommended to remove them from the threshold because it was thought that they would never be found here again. There are four sites and possibly a fifth that needs to be confirmed this year.

Commission Comments & Questions

Mr. Hymanson asked what the number of active Peregrine Falcon nests are in the Basin.

Ms. Vollmer said there are four.

(presentation continued)

Ms. Vollmer for the Wintering Bald Eagle they participate in a Basin wide effort organized by the Tahoe Institute for Natural Science by manning a monitoring station. They are seeing continued growth for Wintering Bald Eagle with highest number of 27 this past year.

Air Quality Monitoring:

There are maximum acceptable threshold levels for carbon monoxide, particulate matter, ozone, nitrous oxide, and visibility. TRPA has three air quality stations around the Lake with three others operated by local jurisdictions. TRPA partners with the Desert Research Institute, the University of California, Davis Nuclear Lab, and the National Park Service Visibility Monitoring Network. All air quality trends are improving.

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Noise Monitoring:

Monitoring is done in plan areas, highways, and the shorezone. Each plan area, highway, and shorezone have a maximum allowable decibel level per TRPA thresholds. Every four years they do 140 plan areas, 30 highway segments, and 10 shorezone locations. Nearly 40 percent of the plan areas exceed the noise and 60 percent of the highway and corridor exceed noise standards, and Rubicon Point is a concern for the shorezone.

Tahoe Yellow Cress Monitoring:

TRPA is part of an inter-agency monitoring group representing over 14 organizations monitoring TYC since 1979. They participate in a lake wide count that takes place over one week every September. The threshold is to maintain 26 TYC population sties. Overall, there is an upward trend in the number of sites.

Bicycle and Pedestrian Monitoring:

Prior to 2016 monitoring was done through manual counts over one to two days by consultants. They began in-house monitoring in 2016 using automated counters. By the end of 2018, there will be over 30 counters installed by TRPA and partners around the Basin. Data is uploaded into Lake Tahoe Info about once per month. There were 1,600 people per day on the Camp Richardson bike path in the summer of 2017, over 150 people per day on one of the South Lake Tahoe bike paths in the winter of 2017. The highest daily count was 5,500 people at Lake Forest for the July 4th fireworks.

Commission Comments & Questions

Mr. Larsen said the 2017 Monitoring Report suggested that the main source of the Rubicon Point noise issue is the "cigarette" boats. He asked how that is being addressed.

Mr. Marshall said noise and noisy boats are a significant issue. The noise standard for boats as implemented is a drive by test. These boats are not inheritably noisy when operated in a specific way. It is not an implementable standard to prohibit "noisy" boats. Inspectors would need to be able to distinguish between boats that produce a lot of noise and boats that may be fast but have appropriate mufflers. It is not an easy task to say what type of boats should be kept off the Lake. The Shoreline Steering Committee is working on a code provision that could define what kinds of boats those are. Collectively, the marina owners don't want to rent space to these types of boats and as part of the shoreline program there will be increased enforcement.

Mr. Young said we are getting ready to launch into a big project with the thresholds and sometimes the people being relied upon might not have the right information, for example, the experts who thought the Peregrine Falcons should have been removed as part of the threshold.

Ms. Vollmer said part of the decline of Peregrine Falcons and all raptors may have been due to the presence of the pesticide DDT.

Mr. Hymanson asked what the process is for choosing the 20 random sites for stream monitoring.

Mr. Segan said the Environmental Protection Agency helped design the sampling framework.

Mr. Hymanson asked for further information on how the monitoring information is used with the environmental improvement program to help identify projects.

Mr. Segan said the hope is that the information in the monitoring report be more wide spread and integrated into project selection, specifically with the stream environment zones and restoration projects. Part of the Environmental Protection Agency grant will be to further develop the monitoring plan and to prioritize restoration sites. That grant is supported by a 14-member technical advisory committee.

Mr. Hymanson asked if the monitoring report under goes any external or independent peer review.

Mr. Segan said no. This is the first monitoring report and the next presentation will go over how they've been working towards greater transparency of information collected via the Lake Tahoe Info portal.

Mr. Hitchcock asked if the noise exceedance in plan areas were commercial.

Ms. Vollmer said she believes it is wide spread across different types of plan areas.

Mr. Ferry asked if they are monitoring the new Sunset Reach of the Upper Truckee River restoration.

Ms. Vollmer said they do not do any restoration base monitoring. They have random sampling sites, and some could be in that reach. There are also some trend sites that are along the airport reach that are monitored every four years, but nothing specifically in that reach.

Mr. Ferry asked if they have access to private properties when looking for Tahoe Yellow Cress and is there outreach done to the land owners for this species.

Ms. Vollmer said TRPA is a participant of the surveys that are organized by the Nevada Natural Heritage Program who would coordinate the outreach and access to private properties.

Mr. Ferry said the California Tahoe Conservancy plans to do a major restoration project in the marsh and encouraged TRPA to be involved in pre and post monitoring.

Public Comments & Questions

None.

B. LakeTahoeInfo.org Briefing

TRPA team members Ms. McNamara and Mr. Haefer provided the overview.

Mr. Haefer said the monitoring dash board can be found at the Lake Tahoe Info website: <u>https://laketahoeinfo.org/</u> which highlight the efforts to collect data and make it publicly available. Staff worked with consultant Sitka Technology Group to build out the program.

A project related to the monitoring program is the Tahoe open data page that stores a lot of the Geographic Information System (GIS) data and has recently been incorporated into the non-GIS data and monitoring program. It increases data transparency throughout the Basin and inter-agency collaboration. This data feeds directly into the monitoring.

Ms. McNamara said what's on the monitoring dashboard is a small subset of all the data. In the next fiscal year there will be more data sets going forward as funding becomes available for Lake Tahoe Info.

Commission Comments & Questions

Mr. Donohue asked what the annual budget of Lake Tahoe Info is.

Ms. McNamara said the general fund budget is between \$100-150,000 but there are other funding sources such as transportation funding, some Southern Nevada Public Land Management Act (SNPLMA) return funding, and the Nevada Division of Environmental Protection (NDEP) funding.

Mr. Larsen said the stormwater monitoring that is included in the dashboard is part of the Tahoe Resource Conservation District's ongoing regional stormwater monitoring program network.

Mr. Drew asked if the open source website is available through the Lake Tahoe Info website.

Mr. Haefer said it can be accessed through any of Lake Tahoe Info's monitoring pages.

(presentation continued)

Ms. McNamara said the parcel tracker links information on individual parcels. All land capability and permitting information is daylighted in the parcel tracker. The individual parcel evaluation score is now available to the public and staff has connected the parcel tracker to the BMP data base. The Environmental Improvement Program performance measures are updated automatically as BMP certificates are issued.

Commission Comments & Questions

Mr. Donohue asked if the BMP data can be extracted for the Total Daily Maximum Load (TMDL).

Ms. McNamara said not currently.

Mr. Larsen asked if there is a link for permits and activities done by local governments on behalf of TRPA.

Ms. McNamara said yes. The goal is not to have information entered multiple times. Staff has been working with some of the local jurisdictions and their permitting software to run reports. The parcel tracker was built to work with Accela permitting software. They will be linking to the Placer and El Dorado County systems to pull their information, so they do not have to go into a separate data base to enter the permitting information. The City of South Lake Tahoe doesn't have permitting software that is compatible at this time.

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Mr. Hitchcock said the City staff manually inputs the data into Lake Tahoe Info.

Ms. McNamara said they're working on the permit wizard for the City of South Lake Tahoe which connects their permit information to the parcel tracker that TRPA can then push that information into real time.

Mr. Larsen asked what the timing is.

Mr. Kasman said under the Memorandum of Understanding for TRPA and Placer County, they have developed a report for Placer that will automatically be sent to TRPA. This will be a priority to complete, when funding is available next fiscal year.

Mr. Ferry said El Dorado County is implementing a new parcel tracking system called TRAKiT.

Mr. Kasman said a lot of the integrations that have been built are industry standard web services that will enable that communication between systems. TRAKit has the ability for TRPA to pull information using web services.

(presentation continued)

Ms. McNamara said another enhancement is the Lake Clarity tracker. There is an online interface allowing jurisdiction to register credits. They transferred the previously developed TMDL interface to this platform. The nearshore resource allocation program is in its infancy to take the state of the knowledge about nearshore to get a summary of the findings.

Commission Comments & Questions

Mr. Hymanson said that as the Lake Tahoe Info is built out with the aspiration of making information more transparent, he suggested that they develop more detailed methods in documenting. These document methods could be modified separately without modifying the web pages. He also suggested that the TRPA Monitoring Report should have an independent peer review.

Mr. Hester said a science-based adaptive management structure is the strategy of the working group as they look at the next steps on structure. The conceptual model is the approach that the science council would like to take. It's very detailed and each subject has different models. The results framework is used by some when making major investments and it shows the causes and effects. The standard system is the formal system that was called for in the Compact; the threshold standards that were implemented through policies in the Regional Plan, Code of Ordinances, and regulations when looking at development on parcels and through the environmental improvement program as areas are prioritized. This is designed to have feedback to both the results framework and the conceptual models and part of that is Lake Tahoe Info. The goal is to align all the pieces on how they work together. The idea of trying to limit accessibility to data and models is a past era.

Mr. Hymanson asked if there is an effort to develop conceptual models.

Mr. Hester said yes.

Mr. Hymanson asked if that is only within TRPA.

Mr. Hester said no, staff's expectations is that the science council or different science groups will help develop those.

Mr. Segan said this design is still being discussed with the science council and will be brought to the stakeholder working group as well as vetted through the individual focus area working groups. As part of the Science Advisory Councils engagement with stream environment zones in particular, their updating a conceptual model for that as well as air quality, (vehicle miles traveled). In the future, as they are adopting new standards, this would be the framework. They would adopt a standard that is initially supported by a conceptual model that describes the influences of that system and then build the results framework, and what the consequences would be and how they maintain and attain thresholds.

Ms. Carr said its key to have the thresholds numbered.

Public Comments & Questions

None.

- VII. REPORTS
 - A. Executive Director

No report.

1) Quarterly Report: January – March 2018

No further report.

B. General Counsel

Mr. Marshall said a hearing was held in Federal Court on the Garmong litigation. The court granted the motion to dismiss the case but with leave to amend. Because the court dismissed it on jurisdictional grounds, it did not go to the next series of procedural arguments that may have eliminated the suit against the individuals.

C. APC Members

Mr. Young said he will now be the primary representative for Washoe County and Ms. Krause will be the alternate.

Mr. Hymanson said the Tahoe Science Advisory Council will meet on May 29, at the Sierra Nevada College Campus in Incline Village from 9:00 am to 2:00 pm.

Mr. Buelna said Placer County adopted their area plan and has updated their memorandum of understanding with TRPA to take on additional responsibilities. They also released the Draft Environmental Impact Report/Statement joint document with the Forest Service for the base to base gondola for Alpine Meadows and Squaw Valley Ski Resorts. Mr. Larsen said the Lahontan Regional Water Quality Control Board hired a new division manager, Ben Letton to replace Doug Smith who was promoted to Assistant Executive Officer.

Mr. Teshara said the environmental document on the Kings Beach State Recreation Area Master Plan and Pier have been released. Tahoe Transportation District will meet on Friday, May 11th to discuss the South Shore transit routes. There are resource constraints for funding, the hiring of drivers and the status of the fleets. There will be a Chamber Trek to Vail, Colorado on June 20th to 22nd to learn about their challenges on affordable workforce housing.

Mr. Marshall said the Shoreline Draft Environmental Impact Statement and Code were released on May 8th for a 60-day comment period. There will be a public hearing at the Advisory Planning Commission in June.

VIII. PUBLIC COMMENT

None.

IX. ADJOURNMENT

Chair Mr. Teshara adjourned the meeting at 12:01 p.m.

Respectfully Submitted,

Maija Ambler

Marja Ambler Clerk to the Board

The above meeting was taped in its entirety. Anyone wishing to listen to the tapes of the above mentioned meeting may call for an appointment at (775) 588-4547. In addition, written documents submitted at the meeting are available for review.



Mail PO Box 5310 Stateline, NV 89449-5310 Location 128 Market Street Stateline, NV 89449 Contact

Phone: 775-588-4547 Fax: 775-588-4527 www.trpa.org

Date:	June 6, 2018
То:	TRPA Advisory Planning Commission
From:	TRPA Staff
Subject:	Public Review Draft Environmental Impact Statement for the Proposed Lake Tahoe Shoreline Plan

<u>Requested Action</u>: No action is required. This is an information/comment item only.

<u>Staff Recommendation</u>: Staff recommends that the Advisory Planning Commission review the Draft Environmental Impact Statement and provide comments.

<u>Project Description</u>: The Tahoe Regional Planning Agency (TRPA) has prepared an EIS for the proposed Lake Tahoe Shoreline Plan. This document meets the environmental review requirements of the TRPA Compact, Code of Ordinances (Code), and Rules of Procedure. This presentation meets the TRPA public review requirements to provide responsible agencies and interested persons with sufficient information to make meaningful comments on the environmental analysis. The document is available at: <u>www.shorelineplan.org</u>

The Lake Tahoe Shoreline Plan will update regulations focused on structures (marinas, piers, buoys, ramps and slips) to support water-dependent recreation along the Lake Tahoe shoreline and effective resource management to ensure environmental threshold attainment. The Shoreline Plan EIS analyzes the environmental impacts of four project alternatives, including Alternative 1, developed by the Shoreline Steering Committee and endorsed by the TRPA Regional Plan Implementation Committee (RPIC).

<u>Background</u>: Development along the shoreline of Lake Tahoe has been the subject of decades of study and controversy. In the 1980's TRPA adopted a prohibition on new shorezone structures in fish habitat until studies were performed to determine the relative impacts of those structures on fish populations. The studies, conducted in the 1990's established that the structures in of themselves do not adversely impact fish populations. Since that time TRPA and stakeholders have struggled to replace the fish habitat prohibition with a set of ordinances that regulates structures in the shorezone to provide for recreational access and environmental protection. In 2008 TRPA adopted a shorezone ordinance that incorporated contemporary science and addressed most, but not all, stakeholder concerns. However, the EIS supporting adoption of this ordinance was challenged, and in 2010 the 9th Circuit Court of Appeals remanded the EIS back to TRPA to address deficiencies in that document. Following the court's decision in 2010, TRPA adopted a partial permitting program that limits shorezone development to minor modifications and repairs and prohibits new structures until a revised plan and subsequent environmental analysis is adopted.

In response to the Court decision, TRPA launched a collaborative process in 2016 to develop a Shoreline Plan a to enhance recreation and protect the 72 miles of Lake Tahoe's shores. TRPA and partner agencies initiated planning by engaging the Consensus Building Institute (CBI), a third-party mediation firm, to convene stakeholders and develop a consensus-based planning process. In April 2016 CBI and TRPA convened a Steering Committee to frame key issues, identify approaches, and develop policy recommendations. The Steering Committee is comprised of representatives from the California State Lands Commission, Lahontan Regional Water Quality Control Board, Lake Tahoe Marina Association, League to Save Lake Tahoe, Nevada Division of State Lands, Tahoe Lakefront Owner's Association, and TRPA.

TRPA also convened a Joint Fact Finding (JFF) Committee to provide scientific and technical input and recommendations on the best available information and science to use in the Shoreline Plan. The Joint Fact Finding Committee verified that there was no positive coorrelation between declining fish populations at Lake Tahoe and shorezone structures and that an outright prohibition of new development in fish habitat was unfounded. The JFF agreed that shorezone permitting could be allowed in areas designated as fish habitat, provided that any impacts are mitigated. The JFF also helped to identify standards of significance for other environmental impact areas such as air and water quality. This information helped inform the development of policy recommendations for the Shoreline Plan.

Over a series of meetings, the Steering Committee presented to the TRPA Regional Plan Implementation Committee (RPIC) the project scope, organizing principles, and a comprehensive set of policy proposals for consideration in the Shoreline Plan. RPIC considered, modified, and ultimately endorsed a set of proposals addressing water-dependent structures that provide access to Lake Tahoe, including marinas, ramps, buoys, and piers, as well as measures for low lake level adaptation. The policies endorsed by RPIC were advanced forward in the Shoreline Plan project description that was included in the Notice of Preparation (NOP) for the EIS, published on July 12, 2017. The Scoping period for the EIS was completed in August 2017.

TRPA, in partnership with the Shoreline Steering Committee, used the scoping comments to develop the Shoreline Plan and three EIS Alternatives that were endorsed by the RPIC in October 2017. These alternatives have been analyzed in the Draft EIS, which was released to the public on May 8, 2018.

<u>Summary of the Shoreline Plan EIS</u>: The Public Draft EIS identifies and assesses the anticipated environmental effects of implementing the Shoreline Plan alternatives, with a focus on significant and potentially significant impacts. The EIS aims to provide a level of detail and clarity in the environmental review that allows for meaningful comment and participation by public agencies, interest groups, and the public. Due to the programmatic nature of the

Shoreline Plan, it contains a general analysis of each resource area. The EIS is not intended to take the place of project-specific environmental review that will be needed to evaluate individual projects proposed following approval of the Shoreline Plan.

The EIS evaluates the outcomes of implementing the Shoreline Plan alternatives, including the effects of constructing and operating shoreline structures, resulting changes in boat use, and resource management programs. It analyzes the Shoreline Plan's effect on the following 13 resource areas:

- Hydrology and Water Quality
- Scenic Resources
- Fisheries and Aquatic Biological Resources
- Recreation
- Air Quality
- Greenhouse Gases and Climate Change
- Noise
- Land Use
- Soil Conservation
- Roadway Transportation and Circulation
- Terrestrial Biological Resources
- Cultural Resources
- Public Health and Safety

Attachment A provides a summary of the environmental impacts evaluated in the EIS, the corresponding level of significance for each impact, and where applicable, recommended mitigation measures.

<u>Public EIR/EIS Meetings and Public Workshops</u>: The 60-day public review period began on May 8, 2018, and will end on July 9, 2018. TRPA staff distributed the notice of availability to all responsible and trustee agencies, to the California and Nevada State Clearinghouses, and to all stakeholders that have been involved or expressed interest in Shoreline Planning. The Notice was posted in the newspapers, on the TRPA website, and on Shorelineplan.org. Additionally, a mailer was distributed to all property owners in the Lake Tahoe Basin announcing availability of the EIS and providing opportunities to participate.

In addition to the opportunity to submit written comments, public hearings and workshops provide the public the opportunity to learn more about the project alternatives and to comment on the findings of the EIS. The following public workshops and hearings have been held or will be held during the public comment period:

May 23, 2018 Public Hearing, 9:30 a.m., TRPA Governing Board, North Tahoe Events Center,

8318 N Lake Blvd, Kings Beach, CA.

June 4, 2018 Public Workshop, 5:30-7:30 p.m., TRPA Offices, 128 Market Street, Stateline, NV.

June 6, 2018 Public Workshop, 5:30-7:30 p.m., North Tahoe Events Center, 8318 N Lake Blvd, Kings Beach, CA.

June 13, 2018 Public Hearing, 9:30 a.m., TRPA Advisory Planning Commission, TRPA Offices, 128 Market Street, Stateline, NV.

<u>Contact Information</u>: For questions regarding this item, please contact Rebecca Cremeen, Acting Senior Planner, at (775) 589-5214 or <u>rcremeen@trpa.org</u>.

Attachment:

A. Summary of Impacts Table

Attachment A

Summary of Impacts Table

Table ES-1	Summary of Im	pacts and Mitiga	ntion Measures	5				
	Impa	cts		Significance without Mitigation		Mitigation Meas	sures	Significance with Mitigation
	B = Beneficial	NI = No impact	LTS = Less than	significant PS = P	otentially significant	S = Significant	SU = Significant and unavoidab	ble
4 Land Use								
Impact 4-1: Induce Regional growth is of would permit devel- increase the capaci tourists. The addition slips) under Alterna number of day visite not lead to resident by the Regional Pla	substantial new growth capped by the Regiona opment of structures w ity of the region to accose to of new public access tives 1, 2, and 3 would ors to the region; howe tial, tourist, or commert n development rights s	h I Plan. The Shoreline I vithin the shorezone b ommodate an increase s facilities (e.g., boat ra I accommodate an inc ver, these additional of cial growth because g system.	Plan alternatives ut would not e in residents or amps, public rease in the lay visitors would rowth is capped	Alt 1, 2, 3 – LTS Alt 4 – NI	No mitigation required			No mitigation required
Impact 4-2: Consist existing pattern of It Shoreline Plan Alter the TRPA Code that these alternatives h and Policies and ac environmental prot provisions under all providing a framew with the land use d development allow restricted not only b other existing provis the requirement for Shoreline Plan alter uses that already e	ency with applicable p and use rnatives 1, 3, and 4 wo govern development w have been development w the thresholds, each ection and recreationa I alternatives are inten- ork for development w esignations within each ed under each of the S by land use designation sions of the code that w r compliance with envir rnatives would provide xist within the shorezon	lans, policies, regulation within the shorezone. To provide the region of the shorezone of the shorezone of the shorezone of the shorezone of the shorezone of the shorezone of the shoreline Plan alternat is identified in local play would remain unchang onmental thresholds. for the same types ar ne.	to provisions in The provisions of onal Plan Goals lance of ne code TRPA plans by at is consistent wattern of ves would be ans, but also by ged, as well as by All four d pattern of land	Alt 1, 2, 3, 4 - LTS	No mitigation required			No mitigation required
5 Fisheries and Aqu	uatic Biological Resour	ces			1			
Impact 5-1: Increase The increase in boar risk of AIS introduct rigorous and effection decontamination, of increases in recrease the risk that invasive	ed risk of AIS introduct at launches under Alter itons, but this risk woul ive prevention program putreach, and education tional boating under Al- re macrophytes and As	ion or spread natives 1, 2, and 3 co d not be substantial b is (including boat insp n) would continue. Ho ternatives 1, 2, and 3 ian clams already in L	uld increase the ecause the ection, wever, the would increase ake Tahoe would	Alt 1, 2, 3 - S Alt 4 – B	Mitigation Measure 5-: management plans (ap TRPA will require that a management plan with management plans sh establishment of invas (e.g., improved water of	La: Require marina agopties to Alts 1, 2, and all marinas prepare an nin 3 years of adoptior all, at a minimum, (1) ive macrophytes and irculation), (2) include	uatic invasive species 3) d implement an AIS n of the Shoreline Plan. The AIS identify strategies to prevent the Asian clams within the marina an AIS monitoring, early	Alt 1, 2, 3 -LTS Alt 4 – B

Imp	acts		Significance wit Mitigation	thout		Mitigation Mea	isures	Significance with Mitigation
B = Beneficial	NI = No impact	LTS = Less than	significant I	PS = Pot	tentially significant	S = Significant	SU = Significant and unavoidab	le
be spread within the lake, creating new abundance and distribution of AIS. Alternative 4 would result in no increase increase the risk of AIS introduction and that all marinas develop and implement reduce the risk of AIS introductions at, o	populations and increa in boating activity and spread. Alternative 4 w an AIS management p r spread from, marinas	sing the would not rould also require an. This would			detection, and respon partnership with reso (3) include a public e AIS, the AIS manager existing AIS and redu <u>Mitigation Measure 5</u> (applies to Alts 1, 2, a TRPA will continue to watercraft industry, in watercraft or wateror widespread commen for the spread of AIS. water intakes in engi being developed by v commercially availab innovations are not y of the Shoreline Plan representatives of th commercial interest it technologies. TRPA w such technologies with <u>Mitigation 5-1c: Estal</u> (applies to Alt 2 only) TRPA will establish an levels of AIS control. the abundance and co leaf pondweed, coon future and can be sp on recreational boate fee per launch or boat which will be sufficien with the projected inc	nse program within the burce management age education component. If ment plan shall identify use the potential for spr <u>5-1b: Promote the deve</u> and 3) or egularly communication including trade association raft components, to pro- cial utilization of technol . Innovations such as b ines, and better drainin various manufacturers, ole on a widespread base vet commercially viable to Alternatives. TRPA will e watercraft industry to in the continued develop vill enact policies to endo hen they become feasil <u>blish a mitigation fee pro-</u> The fee will be used to distribution of Asian clai tail and/or other AIS the read by recreational bo ers either during AIS inst at will be the same as t in to increase existing of crease in annual boat t	e marina, which could be in encies and/or organizations, and For marinas that already contain y measures to control or eradicate read. elopment of AIS-resistant boats e with representatives of the tions and manufactures of ponote the development and ologies that lower the potential vallast tank filters, heated ballast ng ballast tanks are currently , but they are not yet sis. Although many of these , they may be by the full buildout I regularly coordinate with o advocate for and demonstrate a opment and adoption of such courage or require the use of ble. rogram that will fund increased implement projects that reduce am, Eurasian watermilfoil, curly- nat may be introduced in the pating. The fee will be assessed spections or at launch points. The that proposed under Alternative 1, control efforts commensurate trips under Alternative 2.	

Table ES-1	Summary of Impacts and Mitigation Measures
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Impa	acts		Significance without Mitigation		Mitigation Meas	sures	Significance with Mitigation
B = Beneficial	NI = No impact	LTS = Less than	significant PS = P	otentially significant	S = Significant	SU = Significant and unavoidal	ble
Impact 5-2: Loss of prime fish habitat The implementation of the Shoreline Plar reduction in the amount of prime fish hal placement of shorezone structures withir would require habitat replacement at a 1 prime fish habitat. Alternative 2 would pri- prime fish habitat. Alternative 4 would rev 2:1, which would not cause a decrease in	n has the potential to re pitat, as defined by TRF n this habitat. Alternativ .5:1 ratio, resulting in r phibit construction of s quire habitat replacement n the amount of prime f	esult in a net PA, due to res 1 and 3 no net loss in tructures within ent at a ratio of rish habitat	Alt 1, 3, 4 – LTS Alt 2 – NI	No mitigation required			No mitigation required
Impact 5-3: Construction-related impacts Construction of new shorezone structure Plan alternatives could affect all species they do not utilize nearshore habitats. Eff nearshore habitats would be greatest on nearshore areas, including Lahontan Lak salmonids, including LCT and mountain w game fish species, would generally be lim tributaries and juveniles using nearshore All of the alternatives would produce a sm relative to both prime fish habitat and ma on the life history characteristics and hab construction-related effects would not be of the alternatives.	s and dredging under a considered, except lake ects on species that co native minnow species e tui chub. Effects on s vhitefish, as well as oth ited to adults migratin areas for rearing. nall amount of tempora arginal fish habitat. Add itat use for the species adverse for any fish sp	Il four Shoreline e trout because build use s that spawn in pecial-status er coldwater g to spawning ary disturbance litionally, based s evaluated, pecies under any	Alt 1, 2, 3, 4 - LTS	No mitigation required			No mitigation required
Impact 5-4: Permanent habitat modificate Permanent habitat modification could affee because they do not utilize nearshore hab nearshore habitats would be greatest on r Lake tui chub. Impacts on special-status s whitefish, as well as other coldwater game to YOY juveniles using nearshore areas for alternatives, impacts resulting from perma small relative to TRPA-designated fish hab Additionally, based on the life history chara evaluated, impacts would be minimal for a	ion ct all species evaluated itats. Impacts on specie ative nongame fish, inc almonids, including LCT fish species, would ger rearing. Under all Shore inent habitat modification itat, including prime fish acteristics and habitat u- iny fish species.	except lake trout s that could use luding Lahontan and mountain herally be limited eline Plan on would be habitat. se for the species	Alt 1, 2, 3, 4 - LTS	No mitigation required			No mitigation required

Impacts	;		Significance v Mitigatio	vithout on		Mitigation Meas	sures	Significance with Mitigation
B = Beneficial N	N = No impact	LTS = Less than	significant	PS = Po	otentially significant	S = Significant	SU = Significant and unavoidal	ble
Impact 5-5: Recreation-related impacts Recreational activities could affect all species could use nearshore habitats would be greate spawn in nearshore areas, including Lahonta status salmonids, including LCT and mountai coldwater game fish species, could occur to a the lake and to YOY juveniles using nearshore egg incubation of special-status salmonids ar species would not be affected since these sp deep in the lake where they would not be affe recreational angling. Effects under Alternative would allow the largest number of structures Alternative 2 the capacity for recreational acti would be highest. Effects under Alternative 4 contains the least number of structures and n baseline. Recreation-related effects under Alt be intermediate between Alternatives 2 and 4 alternatives, recreation-related effects resulti angling and/or boating would be small.	s evaluated. Effects test on native minute an Lake tui chub. Ef- in whitefish, as well adults that utilize op- re areas for rearing, and other coldwater becies spawn in trib fected by increased e 2 would be greated and two new marine tivities such as boat would be the least no increases in boast ternative 1 and Alted 4. However, under a ing from increased	s on species that ow species that fects on special- l as other pen waters of Spawning and game fish utary streams or boating or est because it has. Thus, under ting and angling because it ating, relative to ernative 3 would all the recreational	Alt 1, 2, 3, 4	- LTS	No mitigation required			No mitigation required
6 Hydrology and Water Quality								
Impact 6-1: Soil erosion and/or release of pol shorezone facility construction or maintenance All four Shoreline Plan alternatives would allow within the shorezone. Construction activities of accelerating soil erosion and sedimentation w Dredging for new construction or maintenance could affect water quality by increasing turbid surrounding water. Existing state, federal, and potential short-term impacts from construction policies require the implementation and main protect water quality during maintenance dree Alternatives 1 and 3, TRPA would revise code consistent with federal standards for new dre Section 404 of the CWA as regulated by USAC under Section 404 are mandatory for dredgin	<u>Allutants to Lake Tak</u> <u>ce activities, includi</u> ow new construction could affect water c while also releasing ce dredging for exist dity and releasing nu d TRPA regulations on activities in the s intenance of tempor edging within the sh e standards (Sectior edging (nondegrada CE, However, the fe ng in Lake Tahoe re	noe from ng dredging and dredging quality by pollutants. ting facilities utrients into the mitigate horezone. TRPA rary BMPs to orezone. Under a 84.15.3) to be tition) under deral standards gardless of the	Alt 1, 2, 3, 4	- LTS	No mitigation required			No mitigation required

Table ES-1	Summary of Impacts and Mitigation Measures
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Impacts			Significance witho Mitigation	out	Miti	tigation Meas	ures	Significance with Mitigation
B = Beneficial N	II = No impact	LTS = Less than	significant PS	5 = Pot	tentially significant S = Sig	gnificant	SU = Significant and unavoidal	ble
TRPA Code provisions and are therefore applied Dredging activities would also need to comply water quality certification requirements.	icable to all four alte / with each state's S idity associated with	ernatives. Section 401	Alt 1. 3 - LTS		Mitigation Measure 6-2: Study a	and adaptively	v manage the effects of boats	Alt 1. 3. 4 - No
Impact 6-2: Sediment resuspension and turbl hydrodynamic effects of motorized boating The hydrodynamic effects from motorized boa lakebed sediment through propeller wash and increased turbidity and reductions in nearsho from propeller wash and boat wake are gener little or no effects for water depths less than 7 depths greater than 10 feet (Beachler and Hil Section 84.17.1 requires a no-wake zone with mile-per-hour (mph) speed limit. Most of Lake within the existing no-wake zone, with notable areas adjacent to the City of South Lake Taho Lake Tahoe's nearshore presents complex en that may influence nearshore clarity in an inte location and with time (Taylor 2002). In additi generating water movement, wave motion, ar influencing the observed variability in nearsho land-uses and urban stormwater inputs, othe activity, proximity to stream inputs, water dep features of the lake bottom. Among these inte contribution of boating activities to degrade n or quantify. Alternatives 1, 2, and 3 are projected to gene activity. On peak days, increased boat use con turbulence generated by boat wake. The shal outside existing no-wake zone regulations are term and temporary declines in clarity becaus summertime periods with low winds and low if stormwater runoff, Lake Tahoe waters would wave action in the nearshore. Because Altern boating activity on peak days, the increased p	ating can disturb and d boat wake, poten ore clarity. Hydrodyn rally limited to shall 7 feet and no effect ill 2003; USACE 199 hin 600 feet of the e Tahoe's shallower e exceptions being to be and Tahoe City. Invironment conditionerrelated manner the ion to natural littoral pro ore clarity may inclue er nonpoint pollutant oth, substrate type, a errelated factors the nearshore clarity is control event a peak-day inclued the a peak-day inclued the substrate type, a errelated factors the nearshore clarity is control to the event a peak-day inclued the likely more suscepts se of increased wave inputs of streamflow typically be quiescent natives 1, 2, and 3 wo potential for boat wave	I ute I d resuspend tially leading to amic effects ower areas, with s for water 03). TRPA Code shore with a 5- depths are the nearshore Ins and factors lat varies by effects ocesses, factors de: adjacent t inputs, boating and localized e potential lifficult to isolate rease in boating action and e nearshore tible to short- e action. During w and ent with low yould increase ake to induce	Alt 1, 3 – LTS Alt 2 – PS Alt 4 - NI		 <u>Mitigation Measure 6-2: Study a</u> <u>on nearshore conditions</u> (applie agencies and research organizat that evaluate the effects of boar quality. TRPA will then implement the results of the studies. To ensure the completion of nearwater quality mitigation fee on r assessed on all recreation water boat inspections or at launch poor of up to ten years to fund scient through a program such as the generated from the fee will be of nearshore studies tasked with e on nearshore clarity and water of that is adequate to fund an assessed or offset this impairment. but are not limited to: 4 expand the no-wake zone to recommendations for nearshore studies for nearshore has the recommendations for nearshore studies for nearshore has impairment. 	and adaptively es to Alt 2) TRF ations to comp at activity on ne ent manageme earshore studie recreational w ercraft, either of ooints. The fee tific research a e Nearshore Wa directed towar evaluating pot quality. TRPA will increase in boa ribute to an ex TRPA will imple . Such manage based on the rshore areas i ng activities; co ore water qua d use the reve duce other so	A will coordinate with partner plete monitoring and studies earshore clarity and water ent actions, if needed, based on es, TRPA will enact a nearshore vatercraft. The fee will be during aquatic invasive species will remain in place for a period and nearshore monitoring ater Quality Network. Revenue rds research components of tential impacts of boat activity will set the fee at an amount ecreational boating effects on ating activities anticipated acceedance of TRPA's nearshore ement management actions to ement actions could include, scientific findings and identified to be susceptible to or ality mitigation fee on enue to fund compensatory purces of nearshore water	Alt 1, 3, 4 - NO mitigation required Alt 2 - LTS

Impacts	Significance without Mitigation	Mitigation Measures	Significance with Mitigation
B = Beneficial NI = No impact LTS = Le	s than significant PS = P	otentially significant S = Significant SU = Significant and unavoid	able
turbidity would also increase; therefore, the potential frequency of exceedir nearshore threshold turbidity standard may also increase for limited portion the nearshore.	g the s of		
Impact 6-3: Direct entrainment or atmospheric deposition of pollutants from boat exhaust Increased boating activity is projected under Alternatives 1, 2, and 3, which could lead to increased boat emissions. Alternative 4 would not increase boat activity, and therefore would not increase boat emissions. Boat engines em oxides of nitrogen (NO _x) and particulate matter (PM) during operation, whic may be delivered to the lake through direct entrainment in the water colum atmospheric deposition. Total nitrogen and fine sediment particles are pollutants of concern for lake transparency and clarity, and the Lake Tahoe TMDL sets load reduction targets for these pollutants. Therefore, emissions lead to an increase in loading for these pollutants of concern might extend timeline needed to achieve the Lake Tahoe TMDL load reduction targets. The approval of additional boating facilities under Alternatives 1, 2, and 3 leading to the increase in boating activity would be phased through a project buildout date of 2040. Impact 10-1 in Chapter 10, "Air Quality," assesses potential changes in emissions from increased boating activity under Alternatives 1, 2, and 3. Impact 10-1 concludes that a net reduction in boa emissions, including emissions of NOx and PM, would result under Alternative 2 changes in emissions from increased boat engines. Impact 10-1 in Chapter 10, "Air Quality," concludes that under Alternative 2 changes in emissions from increased boat activity will have mixed results, v net increase in NOx and a net decrease in PM. Because Alternative 2 would create a net increase in NOx loading, and potential impacts on lake transpa and clarity from boat exhaust would be proportional to changes in atmosph emissions of NOx, this could extend the timelines needed to achieve the La Tahoe TMDL load reduction targets.	Alt 1, 3 – LTS Alt 2 – PS Alt 4 – NI ating t n or that he ted ng yes 1 boat ith a ency pric ie	Mitigation Measure 6-3: Limit the number of moorings and boat ramps to limit emissions from increased motorized watercraft activity (applies to Alt 2 only) TRPA shall implement Mitigation Measure 10-1 as described in Chapter 10, "Air Quality," which limits the number of new moorings and boat ramps (and thus boat emissions) to the maximum number allowed under Alternative 1.	Alts 1, 3, 4 - No mitigation required Alt 2 - LTS
Impact 6-4: Discharge of hydrocarbons or other contaminants into Lake Tai from boating activities and boating facilities Elevated levels of hydrocarbons or other contaminants in the lake could res from increased boating activity under Alternatives 1, 2, and 3. Gasoline and	<u>oe</u> Alt 1, 2, 3, 4 – LTS ult	No mitigation required	No mitigation required

Imp	acts		Significance without Mitigation		Mitigation Meas	sures	Significance with Mitigation
B = Beneficial	NI = No impact	LTS = Less than	significant PS = P	otentially significant	S = Significant	SU = Significant and unavoidal	ble
diesel fuels contain hydrocarbon contain organic compounds collectively known a ethylbenzene, and xylene). While also oc hydrocarbons (PAHs) are primarily produ an engine. Hydrocarbons can enter the v emissions, fueling spills, and other accid exhaust beneath the surface of the wate pass through the water column, where s solution or sorb to particulates and sedin Impact 6-5: Interference with littoral proc	inants, including the g s BTEX (benzene, tolue curring in raw fuel, poly ced during the combus vater from boating acti- ental spills. Most outbo r, and consequently, al ome hydrocarbons will ments.	roup of volatile ne, raromatic stion process in <i>v</i> ities via exhaust bard engines I exhaust must remain in eveloped	Alt 1. 2. 3. 4 - S	Mitigation Measure	6-5a: Specify floating pie	er design standards (applies to	Alt 1. 2. 3. 4 - LTS
shoreline structures All Shoreline Plan alternatives would allo that could disrupt existing wave and curr shoreline. Waves and current motion are process by which sediment is transporte Alternatives 1, 3, and 4 propose revision the TRPA Code (Section 84), but do not of Alternatives 2 and 3 would both allow m standards. Other structures, such as jett that could affect littoral processes, are g Shoreline Plan alternatives. Alternative 1 of a habitat restoration project or as part improvement project. Alternative 2 would shoreline outside of prime fish habitat if structure would not interfere with littoral Previous analysis (TRPA 2004) demonst drift processes can occur from floating p do not specify design standards for float drift would be completely avoided, and b alternatives define the environmental ar drift processes associated with public pi for multiple-use pier applications that ind standards in their current form could allo littoral drift processes.	w for the addition or ex- rent circulation patterns the primary agents of d and deposited in the s to existing pier design define design standard ultiple-use piers to devi ies, groins, breakwater enerally not allowed ur . may allow for other st of a marina environme d allow for these struct the applicant demonst processes. rated that significant in iers. Because Alternatii ing piers such that imp ecause none of the Sh halysis procedures for a er applications or allow clude floating pier secti ow for piers that interfe	pansion of piers s near the littoral drift, the nearshore area. In standards in s for public piers. ate from design s, and fences der any of the ructures as part ental ures along the rated that the npacts on littoral ves 1, 2, and 3 acts on littoral oreline Plan ssessing littoral able deviations ons, design re with existing		Alts 1 and 3) TRPA will augment ti 2, "Project Description Floating pier sector prohibited. Mitigation Measure I design recommenda Alts 1, 2, 3 and 4) TRPA will require all floating pier sections and wave analysis. T floating pier section movement of sedimu- level (6,223 feet), m feet) Lake Tahoe Da littoral transport and pier section. Floating wave heights are nor section is no greater wavelength.	ne design standards sur on," to include the follow tions rigidly moored to <u>6-5b: Require littoral drif</u> tions for floating piers lo new pier and pier extens clonger than 25 feet sut the analysis will assess t and the ability of waves ent along the lake bottoo id-lake level (6,226 feet tum. The lake level conc backshore stability sha clpiers may only be appri- t reduced by more than than 50 percent of the	nmarized in Table 2-5 in Chapter ving standard for floating piers: the lake bottom shall be <u>ft analyses and incorporate</u> onger than 25 feet (applies to sion applications that include omit a site-specific littoral drift the dimensions of the proposed to initiate and sustain the m under conditions of low lake), and high lake level (6,229 lition with the greatest effect on II be used to design the floating oved if they are designed so that 50 percent and the floating pier length of the site-specific design	

	Imp	Significance without Mitigation Measures				sures	Significance with Mitigation		
	B = Beneficial	NI = No impact	LTS = Less than	significant I	PS = Pot	tentially significant	S = Significant	SU = Significant and unavoidal	ble
7 Soil Conservation	on								
Impact 7-1: Increa capability system All Shoreline Plan structures that we would be required coverage regulati (i.e., backshore) of	ase land coverage beyon alternatives would per build create coverage in d to demonstrate their ons including restoration coverage created by the	mit the construction or the backshore. Howev compliance with existin on of 1.5 times the amo e project.	the Bailey land expansion of ver, all projects og TRPA land bunt of LCD 1b	Alt 1, 2, 3, 4 -	LTS	No mitigation required			No mitigation required
Impact 7-2: Increa activities Implementation c activities in the sh vegetation and w for increased eros Shoreline Plan alt TRPA, and LRWQ regulations.	ase erosion or degrade of all Shoreline Plan alte norezone that would cri ould increase the pote sion resulting from futu ternatives would be rec CB or NDEP code requi	ernatives would permit eate ground disturbanc ntial for erosion. Howev ire projects implemente Juced through compliar irements, permit condit	construction construction e and loss of rer, the potential ed under the nce with county, ions, and	Alt 1, 2, 3, 4 -	LTS	No mitigation required			No mitigation required
Impact 7-3: Long All Shoreline Plan shorezone; howe shoreline erosion permit conditions increased waterc the shoreline that Alternative 4 wou the location of the increase in public public pier and as parkland). Notwit such increased us projects, nor that increases in erosi	term increases in shor alternatives would allo ver, the potential for th would be controlled th . Implementation of Alt raft use on Lake Tahoe t are undeveloped or di ld not result in an incre e 15 public piers allowe caccess to areas that a ssociated upland facilit hstanding this potentia se of remote areas wou use of such areas, if m ion of the shoreline.	eline erosion w development of new e operation of these fac rough existing TRPA reg ernatives 1, 2, and 3 w e and would expand acc ifficult to access withou ease in boating activity. ed by Alternative 4, ther are currently difficult to a ies were constructed in al, there is no evidence to all occur as a result of f iore accessible, would r	r facilities in the cilities to increase gulations and yould result in tess to portions of it watercraft. Depending on re could be an access (e.g., if a undeveloped to suggest that future shorezone result in long-term	Alt 1, 2, 3, 4 -	LTS	No mitigation required			No mitigation required

Impacts	Significance without Mitigation	Mitigation Measures	Significance with Mitigation
B = Beneficial NI = No impact LTS = Less t	an significant PS = P	otentially significant S = Significant SU = Significant and unavoida	ble
Impact 7-4: Potential for damage from liquefaction, settlement, tsunami, and seiche The Shoreline Plan alternatives would permit structures in the shorezone that could be damaged during an earthquake from liquefaction in saturated sand deposits, settlement, tsunami, and seiche. The risk from seismic shaking would be controlled through compliance with the current seismic design requirements of the California Building Standards Code and the International Building Code. Alternatives 1, 2, and 3 would increase the number of boats that could be exposed to inundation by tsunami or seiche; however, while such an event could be catastrophic, the probability of occurrence in any given year, or over the coming decades is very low.	Alt 1, 2, 3, 4 – LTS	No mitigation required	No mitigation required
8 Recreation	- 1	1	
Impact 8-1: Alter the quality of recreational experiences or create user conflicts Alternatives 1, 3, and 4 would result in construction of new shorezone structures, with Alternative 4 structures limited to public piers. These alternatives include density and location standards for moorings and piers that would help preserve scenic areas around the lake and maintain the quality of recreation experience. Alternatives 1, 3, and 4 would not result in a substantial change to quality of recreation experience. Implementation of Alternatives 1, 3, and 4 could result in public piers extending beyond the 600-foot no-wake zone, which could create potential conflicts between nonmotorized recreation (i.e., nonmotorized watercraft and swimmers) and motorized watercraft. Because of the substantial increase in boat launch capacity and overnight mooring provided by the number of new shorezone structures associated with Alternative 2, the increase in the number of motorized watercraft on the lake would be great enough that there would be a substantial adverse change in quality of recreation experience for people using motorized and nonmotorized, swimmers, and other beachgoers and increased potential for conflicts between motorized and nonmotorized recreationists outside the no-wake zone. Alternative 2 could also result in new multiple-use and public piers that extend beyond the no-wake zone, creating the potential for conflicts between nonmotorized recreationists and motorized watercraft.	Alt 1, 2, 3, 4 - PS	 Mitigation Measure 8-1a: Maintain nonmotorized navigation within the no- wake zone (applies to Alts 1, 2, 3, and 4) TRPA will revise the pier design standards for piers that extend 600 feet or more from the high-water elevation to provide lateral nonmotorized recreation access within the 600-foot no-wake zone. Lateral nonmotorized recreation access within the 600-foot no-wake zone could be provided by either of the following: The pier design standards would require public piers (for Alternatives 1, 3, and 4) and multiple-use piers (for Alternative 2) to accommodate lateral nonmotorized access by limiting the pier length to within the 600-foot no-wake zone and providing at least 10 feet between the end of the pier and the no-wake zone boundary to allow nonmotorized recreationists to stay within the no-wake zone. The applicant for a new multiple-use pier that extends to within 30 feet of the no-wake zone would also be required to install one or more navigational buoys to identify the location of the no-wake zone relative to the pier; or The pier design standards could allow exceptions for public piers (for Alternative 2) that extend beyond the no-wake zone if the pier is designed to allow nonmotorized recreationists to have lateral access underneath the pier during high lake level conditions. 	Alt 1, 2, 3, 4 - LTS

Impacts			Significance withou Mitigation	ignificance without Mitigation Measures		sures	Significance with Mitigation
B = Beneficial	NI = No impact	LTS = Less than	significant PS =	Potentially significant	S = Significant	SU = Significant and unavoidat	ble
Impact 8-2: Affect access or opportuniti Alternatives 1, 2, and 3 would increase by allowing for additional boat ramps a design and location standards for all th	es for motorized watercra capacity for boat launchi nd overnight mooring stru ree of these alternatives a	aft ng and mooring ctures. The and expansion	Alt 1, 2, 3 - B Alt 4 - LTS	Mitigation Measure & number of moorings TRPA will implement "Air Quality," which we number of new moor number authorized uf new moorings and two Mitigation Measure & recreationists outsided TRPA will amend the include a 200-foot bo nonmotorized recreated already in practice by No mitigation required	<u>3-1b: Implement Mitigat</u> <u>and boat ramps</u> (applie Mitigation Measure 10 rould revise the Code of rings (i.e., buoys, slips, a under Alternative 1. This vo new boat ramps. <u>3-1c: Establish buffer ar e of the no-wake zone (a</u> no-wake zone section of uffer between motorized tionists in areas outside / Nevada State Parks.	tion Measure 10-1 to limit the es to Alt 2 only) -1, as described in Chapter 10, Ordinances to limit the total and lifts) and boat ramps to the would allow a total of 2,116 rea around nonmotorized applies to Alt 2 only) of the Code of Ordinances to d watercraft in motion and e of no-wake zones, which is	No mitigation required
of the no-wake zone to include all of En would not substantially change opportu that rely on motorized watercraft, include skiing. Alternatives 1 and 3 also provide allow for boating access under a range Alternative 4 would allow for additional launch capacity or moorings to increase users of the lake.	nerald Bay with Alternative nities for recreation activi ling activities such as fish e standards for shorezone of lake levels. piers but would not provid e access or opportunities	es 1 and 3 ties on the lake ing and water e structures to de additional for recreational					
Impact 8-3: Change access to or along Each of the proposed alternatives would would extend into the public trust areas is degree, lateral access along the shorelin constructed for the benefit of public use; access over or around the pier as they w 4 would only allow new public piers to be would also allow private piers. None of the standards for private or public piers that	the shoreline result in the construction n the shorezone and impe- e in California. New public thus, pedestrians would h alk laterally along the shor constructed. Alternatives in alternatives include any prohibit access for the pul	of piers that ede, to some piers would be have unrestricted eline. Alternative 1, 2, and 3 design blic along the	Alt 1, 2, 3, 4 - LTS	No mitigation require	sd		No mitigation required

Impacts	Significance without Mitigation		Mitigation Measures		Significance with Mitigation		
B = Beneficial NI = No impact LT	TS = Less than	significant PS = Pc	otentially significant	S = Significant	SU = Significant and unavoidal	ble	
shore. TRPA and California State Lands Commission would develop a memorandum of understanding (MOU) that would provide a review proprotects public lateral access within the public trust easement in Califor Nevada, no existing public trust easement on private land is recognized impact only assesses impacts to lateral access along the shoreline in t portion of Lake Tahoe. Under the MOU and for all alternatives, TRPA we able to approve any shorezone structure that unreasonably interferes we public access where it is otherwise lawfully allowed.	ocess that ornia. In d; thus, this the California ould not be with lateral						
Impact 8-4: Affect the fair-share distribution of recreation capacity The 2015 Threshold Evaluation found the recreation threshold for fair- distribution of recreation capacity to be in attainment (TRPA 2016a). The distribution of land ownership in the shorezone is approximately half pu- half private ownership, with slightly less land in private. Each alternative change the percent of shorezone structures that are accessible to the various degrees, but the distribution between public and private owner lake would not change substantially over baseline conditions. All of the shorezone structures under each alternative in combination with exist shorezone structures would either maintain the same proportion of pu private structures as under baseline conditions or would result in a sm in the proportion of public structures compared to baseline conditions. of the alternatives, publicly-accessible shorezone structures would gen between 50 and 52.5 percent, depending on alternative, of all boat trip lake, which is similar to baseline conditions.	share he existing ublic and re would public to rs around the e new ing ublic and hall increase . At buildout herate ps on the	Alt 1, 2, 3, 4 - LTS	No mitigation required			No mitigation required	
9 Scenic Resources							
Impact 9-1: Alter views of the shore from Lake Tahoe The effects Alternatives 1, 2, and 3 on views from Lake Tahoe would on the location, intensity, and other characteristics of future projects scenarios under Alternatives 1 and 3, the scenic threshold ratings w increase due to required scenic improvements in the shoreland, visil reductions, and redevelopment of existing shorezone structures con proposed design standards. In other scenarios under Alternatives 1, scenic quality could be unchanged or degraded due to additional visi associated with new buoys, redeveloped piers that are a contrasting the case of Alternative 2, from additional visible structures in the shore	d vary based s. In some rould ble mass isistent with , 2, and 3, sible mass g color, or in prezone that	Alt 1, 2, 3 - S Alt 4 - LTS	Mitigation 9-1a: Offset the TRPA will require that all the buoy and boat. The at 83 square feet. Each minimum of 83 square visible mass of a buoy of mass or through the part as described below. If a buoy applicant choos of the buoy project, the	he visible mass of but I new buoys offset the average visible mass new buoy will require feet of existing mass an be offset through yment of an in-lieu fee uses to directly remove in the applicant would	bys (applies to Alts 1, 2, and 3) e visible mass associated with of a buoy and boat is estimated removal or screening of a visible from Lake Tahoe. The the direct reduction of visible e used to reduce visible mass, e or screen visible mass as part comply with the same visible	Alt 1, 2, 3, 4 - LTS	

Impacts			Significance witho Mitigation	ut	Mitigation Measures		
B = Beneficial	NI = No impact	LTS = Less than	significant PS	= Potentially significant	S = Significant	SU = Significant and unavoidab	le
are not compensated for with reduction development in the shoreland. Alternative 4 would have a limited numb could be developed under Alternative 4, mitigation requirements for public piers expanded shoreline structures.	s in the visual magnitud per of new shorezone sti the project-level scenic and the prohibition of c	e of uctures that assessment and ther new or		 mass offset requirent square feet of visible same ratios required required as close to the priority: 1) on the same upland area, 3) elsewer travel unit, 4) within the nonattainment scenic TRPA will also provide visible mass of the boremove or visually see the fee to acquire from shoreline scenic standards. The funds have the greatest be prioritized for use in the shoreland, and 3) to Funds could be used contracts, or other age authorize mitigation magnitude of shorelat attainment of scenic mitigation projects the not limited to: I scenic improvem signification of the section of the	nents that apply to pier e mass associated with I for other shoreline stri the proposed buoy as p me parcel in the shorez where in the shorezone the same travel unit in ic travel unit. e the option to pay an i uoy. TRPA will set a fee creen 83 square feet of re and remove or scree c travel units that are n is will be dedicated to p mefit to scenic threshol the following order: 1) i improve background v it to implement projects greements with partner funds for projects that and development wher thresholds and is not of the top funded by ment projects with scen ated structures or rele and waterfront public ment of existing rip rap cuts (e.g., recoloring o wal of existing shoreze	s and other structures. The 83 the buoy would be offset at the uctures. The offset would be possible, in the following order of zone, 2) on the same parcel in the e within the same shoreline scenic the upland, and 5) in another in-lieu fee to offset the additional e amount that is adequate to f existing visible mass. TRPA will in existing visible mass visible not in attainment of threshold rojects that TRPA determines will ld standards and will be in the shorezone, 2) in the riews visible from Lake Tahoe. s directly or through grants, r organizations. TRPA could also permanently reduce the visual in the project contributes to the otherwise required. Visible mass the in-lieu fee include, but are d in the 2018 update to the nic improvements such as ocating structures (public access scenic improvements); o and retaining walls along of light-colored rip rap); one and shoreland structures;	

Impacts			Significance w Mitigation	ithout n	Mitigation Measures		Significance with Mitigation	
B = Beneficial	NI = No impact	LTS = Less than	significant	PS = Pot	tentially significant	S = Significant	SU = Significant and unavoidat	ble
					 permanent screen infrastructure thro of vegetated bern 	ning of roadside park bugh the planting of r hs;	ing areas, roadways, and hative vegetation and creation	
					undergrounding o	f utility lines that are	visible from the lake; and	
					 improving existing parcels such that permanently redu 	shoreland structure: visual magnitude of e ced.	s and deed restricting those existing development is	
					Mitigation 9-1b: Establ TRPA will modify the p piers. These standard standards will require standards will also all determines would bet	lish color standards for proposed design stand s will be enforced for a that piers be a matte ow TRPA to require alte ter blend into the back	piers (applies to Alts 1, 2, and 3) ards to regulate the color of all new or expanded piers. The medium to dark gray. The ernate colors that TRPA ground view of the project site.	
					Mitigation 9-1c: Requ (applies to Alt 2) TRPA will revise the TI visual magnitude requ included in Alternative properties achieve mi for new piers. For new rating of 21 as part of submittal, applicants to 25 to offset the visu exempt property owner	ire visual magnitude re RPA Code under Altern uirements for new or e a 1. These Code revision nimum contrast rating private piers, TRPA we the pier application. F would have 6 months ual impact of new or re ers from the contrast ra	aductions in the shoreland ative 2 to incorporate the same xpanded shoreline structures as ons will require that shoreland s as part of the approval process ould require an initial contrast iollowing permit application to increase their contrast rating edeveloped piers. TRPA would ating of 25, if it is not feasible.	
Impact 9-2: Alter views of Lake Tahoe f The scenic effects on views from the sk intensity, and other characteristics of fu Alternatives 1 and 3, the scenic thresho required scenic improvements in the sk redevelopment of existing shorezone st standards. In other scenarios under Alt would not substantially change, or the sc reduced. This potential reduction in sce additional visible mass associated with	ore would vary based on iture projects. In some so old ratings would increase oreland, visible mass red ructures consistent with ernatives 1, 2, and 3, soe scenic threshold ratings on nic threshold ratings wou new buoys, and in the ca	the location, cenarios under e due to ductions, and design enic quality could be uld be due to ase of Alternative	Alt 1, 2, 3 - Alt 4 - LTS	- S S	Mitigation 9-2a: Imple mass of buoys (applie TRPA will implement ! buoys," as described Mitigation 9-2b: Imple magnitude reductions TRPA will implement ! in the shoreland," as a	ement Mitigation Meas es to Alt 1, 2, and 3). Mitigation Measure 9-1 above. ement Mitigation Meas a in the shoreland (app Mitigation 9-1c: "Requi described above.	ure 9- <u>1a to offset the visible</u> La, "Offset the visible mass of <u>ure 9-1a to require visual</u> lies to Alt 2 only). re visual magnitude reductions	Alt 1, 2, 3 – LTS Alt 4 – No mitigation required
Table ES-1 Summary of Impacts and Mitigation Measures	6							
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Impacts	Significance without Mitigation		Mitigation Meas	ures	Significance with Mitigation			
B = Beneficial NI = No impact LTS = Less than	significant PS = P	otentially significant	S = Significant	SU = Significant and unavoida	ble			
 2, because no reductions in the visual magnitude of the shoreland would be required to compensate for additional development in the shorezone. Alternative 4 would allow for a maximum of only 15 new public piers, which require project-level scenic assessment and mitigation. Alternative 4 would prohibit other new or expanded shoreline structures. 								
10 Air Quality								
Impact 10-1: Long-term operational emissions of regional criteria air pollutants and precursors Based on estimates of increased boating activity and emissions modeling and analysis, implementation of the Shoreline Plan under Alternatives 1, 3, and 4 would not result in the long-term increase in emissions of ozone precursors, CO, PM ₁₀ , and PM _{2.5} in the LTAB and therefore would not result in the deterioration of ambient air quality or the exceedance of an applicable air quality standards. Based on estimates of increased boating activity and emissions modeling and analysis, Shoreline Plan Alternative 2 would result in a long-term increase in emissions of NO _x and CO. The long-term increase in NO _x , which is an ozone precursor, would contribute to the nonattainment status of the LTAB with respect to the CAAQS for ozone and/or an exceedance of TRPA's 1-hour ozone threshold standard of 0.08 ppm. The long-term increase in CO would conflict with implementation of the CO maintenance plan and/or contribute to exceedances of TRPA's 8-hour threshold standard of 6 ppm.	Alt 1, 3, 4 - LTS Alt 2 - S	<u>Mitigation Measure 10-</u> (Alt 2 only) TRPA will revise the Cod moorings (i.e., buoys, sli authorized under Alterna moorings and two new b	1: Limit the number o e of Ordinances to lin ps, and lifts) and boa ative 1. This would all poat ramps.	of moorings and boat ramps nit the total number of new t ramps to the number low a total of 2,116 new	Alt 1, 3, 4 – No mitigation required Alt 2 – LTS			
Impact 10-2: Short-term construction emissions of ROG, NO _X , PM ₁₀ , and PM _{2.5} Implementation of the Shoreline Plan under Alternatives 1, 2, 3, and 4 would result in the construction of new piers, boat ramps, marinas, and/or boat houses. Given the number of new facilities that could be developed and the limited construction season in the Tahoe Region (i.e., May 1 to October 15), it is possible that a substantial amount of construction activity could occur at one time. Thus, equipment exhaust and fugitive dust emissions could violate or contribute substantially to an existing or projected air quality violation, especially considering the nonattainment status of the LTAB with respect to the CAAQS and TRPA numeric threshold standards for ozone and PM ₁₀ .	Alt 1, 2, 3, 4 - PS	Mitigation Measure 10-2 the standard conditions 2, 3, and 4) TRPA will revise the Star (TRPA Permit Attachmer reduction best practices shorezone. The Standar be amended to add the Image: Fugitive dust shall in the property boundar No open burning of infrastructure improvi	2: Add best construct of approval for shore and Conditions of A ant S) to require that m be implemented for d Conditions of Appro following best constr iot exceed 40 perce ary at any time durin removed vegetation ivements.	ion practices for emissions to eline projects (applies to Alts 1, pproval for Shorezone Projects ninimum construction emission all projects within the oval for Shorezone Projects will uction practices: nt opacity and not go beyond g project construction.	Alt 1, 2, 3, 4 - LTS			

Impacts			Significance without Mitigation	Mitigation Measures			Significance with Mitigation
B = Beneficial NI	I = No impact	LTS = Less than	significant PS = Pe	otentially significant	S = Significant	SU = Significant and unavoidabl	e
				 Idling time for all d minutes. Water shall be app extending off-site. required, to contro site shall be cleane released or tracket Existing power sou temporary diesel p 	iesel-powered equip lied as needed to pi Operational water tr I fugitive dust. Cons ed to prevent dust, s d off-site. rces or clean-fuel ge ower generators sha	oment shall not exceed 5 revent dust impacts from ruck(s) shall be on-site, as truction vehicles leaving the silt, mud, and dirt from being enerators rather than all be used wherever feasible.	
Impact 10-3: Exposure of sensitive receptors to Implementation of the Shoreline Plan under A result in the siting of new stationary sources of an increase in TAC emissions generated by re- of new facilities would involve the use of off-ro- equipment that emits diesel PM. However, be construction activity at any single location and diesel PM, construction-related TAC emissions receptors to substantial concentrations of TAC	to toxic air contamir Alternatives 1, 2, 3, a of TACs, new sensitive creational watercra bad heavy-duty diese acause of the short of d the highly dispersive s would not expose Cs.	nants (TACs) and 4 would not ve receptors, or ft. Construction el-powered duration of ve properties of sensitive	Alt 1, 2, 3, 4 - LTS	No mitigation required			No mitigation required
Impact 10-4: Exposure to excessive odorous e Implementation of the Shoreline Plan under A result in the siting of new major sources of od Neither construction nor operation of facilities of the Shoreline Plan would create objectional number of people.	emissions Alternatives 1, 2, 3, & lors or new sensitive s that may be develo ble odors affecting &	and 4 would not e receptors. oped because a substantial	Alt 1, 2, 3, 4 - LTS	No mitigation required			No mitigation required
11 Greenhouse Gas Emissions and Climate C	Change						
Impact 11-1: Greenhouse gas emissions Implementation of the Shoreline Plan would re with the construction and demolition of boatin vehicle trips to and from new boating facilities implementation of the Shoreline Plan would a emitting boating activity. It is not feasible to kr boats on Lake Tahoe will become more GHG e improvement in GHG efficiency would be enou	result in GHG emissing facilities and on-r s. Under Alternatives also result in an incru now whether the fle efficient and, if it do ugh to offset the GH	ons associated oad motor s 1, 2, and 3, ease in GHG- et of motorized es, whether the Gs associated	Alt 1, 2, 3, 4 - PS	Mitigation Measure 11 (applies to Alts 1, 2, 3, Within 12 months of a implementation of a G plans, project permittir with local or other gove ongoing operational ef existing practice to req basis. The policy will re	<u>-1: Develop and impl</u> and 4) doption of the Shorel HG Emission Reducti ng, or projects/progra ernments addressing ficiencies. Until that t uire measures develo quire implementation	ement a GHG reduction policy ine Plan, TRPA will coordinate the on Policy through TRPA-approved ms developed in coordination Best Construction Practices and ime, TRPA will continue its oped on a project-by-project n of measures for the reduction	Alt 1, 2, 3, 4 - SU

Impacts			Significance without Mitigation	Mitigation Measures			Significance with Mitigation
B = Beneficial	NI = No impact	LTS = Less than	significant PS = P	otentially significant	S = Significant	SU = Significant and unavoidab	le
with construction activity, the increase in projected increase in boating activity. The development and implementation or Mitigation Measure 11-1, would reduce a reduction depends on participation rates technology.	n on-road motor vehicle f a GHG Reduction Poli GHG emissions, but the s, available funding, and	travel, and the cy, as required by e extent of this d available		 of GHG emissions ger shorezone and in assi directly associated wit operation of recreatio GHG emission reducti necessary. Where loc: GHG reduction practic government and/or T Such measures may i Minimize Construction All diesel-powered comply with Tier 4 Require all constr for all diesel-powered water-based). Any construction cont Fuel Standards an Executive Officer. Be hydrogenati temperatures) nonpetroleum and Contain no fatt Have a chemic diesel which er engines; it mus Materials (ASTI Use electric power generators. Purchase mitigati Mitigation Credit I emissions. Minimize GHG Emissi Facilities Provide charging a parking lots that s 	herated by demolition ociated upland areas, th the operation of boa onal watercraft. Where ions consistent with the al government ordinar ces, those practices wi RPA permitting activitii include, but are not lim <u>n-Related GHG Emissio</u> d construction equipr 4 emission standards ruction contractors to ered construction equipr 4 be certified by the RD fuel must also m ion-derived (reaction from 100 percent bio sources), such as an ty acids or functionali eal structure that is id nsures RD will be con st comply with Americ M) D975 requirement ered equipment instea on credits from the C Program to offset cor ions Associated with O stations for electric v serve public piers and	and construction activity in the by on-road motor vehicles trips ating facilities, and by ongoing local ordinances already require e policy, no further action is nees do not adequately address Il be implemented through local es or implementation program. nited to, the following: <u>ONS</u> nent shall have engines that or better. use renewable diesel (RD) fuel uipment (off-road land- and onsidered for use by the with California's Low Carbon California Air Resources Board eet the following criteria: with hydrogen at high omass material (i.e., imal fats and vegetables; zed fatty acid esters; and entical to petroleum-based npatible with all existing diesel can Society for Testing and ts for diesel fuels. ad of fossil fuel-based limate Action Reserve's GHG ustruction-generated GHG <u>n-Road Vehicle to Watercraft</u> ehicles and bike lockers at d marinas.	

Impacts	Significance without Mitigation	t Mitigation Measures	Significance with Mitigation
B = Beneficial NI = No impact LTS =	Less than significant PS =	Potentially significant S = Significant SU = Significant and unavoidal Minimize GHG Emissions Generated by Recreational Watercraft A Require or incentivize businesses that rent motorized watercraft to convert their rental fleet to watercraft with electric engines. A Require or incentivize charging stations at marinas and public piers for electric-motor watercraft. Require or incentivize the installation of charging stations for electric-motor watercraft at private piers, boat houses, and boat lifts. A Require solar panels on all marina buildings. This measure will apply to new construction occurring under the Shoreline Plan. TRPA will also initiate a funding program to apply these measures to existing facilities within the Tahoe Basin.	ble
12 Noise <u>Impact 12-1: Construction noise impacts</u> Construction activities would occur under all alternatives, including the N Project Alternative. Activities associated with construction of shorezone structures, including new piers, pier modifications, marinas, or new boat would generate varying levels of noise. However, all activities would be of out in a manner consistent with TRPA's standard permit conditions such exposure of nearby receptors to construction-related noise is minimized construction is limited to daytime hours. In addition, the types of activities associated with constructing new boating structures would be relatively localized, temporary, and intermittent, and would not result in a substant increase in temporary noise levels.	Alt 1, 2, 3, 4 – LTS Alt 1, 2, 3, 4 – LTS arried that and s ninor, ial	No mitigation required	No mitigation required
Impact 12-2: Construction vibration impacts Construction activates would occur under all alternatives. Construction a associated with new shorezone structures, including new piers, pier modifications, marinas, and new boat ramps would generate varying lew vibration. Pile driving would be required for pier construction/modification marina construction, resulting in vibration levels that could potentially de existing structures if located within 55 feet. In accordance with TRPA sta construction practices, all construction activity would take place during t minimizing the potential for disturbance during noise-sensitive evening a nighttime hours. However, because specific locations of pile driving activ	Alt 1, 2, 3, 4 - S ctivities els of n and mage ndard ne day, nd tiy is	 <u>Mitigation Measure 12-2: Vibration reduction measures</u> (applies to Alts 1, 2, 3, and 4) To address potential vibration impacts associated with shorezone projects that involve pile driving activity, TRPA shall revise TRPA Permit Attachment S, "Standard Conditions of Approval for Shorezone Projects," to incorporate the following vibration reduction measures: All construction equipment, including vibration-inducing impact equipment, on construction sites shall be operated as far away from vibration-sensitive uses as reasonably possible. 	Alt 1, 2, 3, 4 - LTS

Impacts			Significance without Mitigation	Mitigation Measures		sures	Significance with Mitigation
B = Beneficial	NI = No impact	LTS = Less than	significant PS = P	otentially significant	S = Significant	SU = Significant and unavoidab	le
unknown, there is a potential that existin excessive vibration levels that could resu	g structures could be ex It in structural damage.	posed to		▲ Earthmoving and not to occur simulextent feasible. T significantly less times.	ground-disturbing op Iltaneously in areas cl 'he total vibration leve if each vibration sourd	erations shall be phased so as ose to sensitive uses, to the el produced could be ce is operated at separate	
				✓ To prevent struct different types of driving) for the pu- shall be establish locations, once d specific nature of duration of pile d fragility/resilienc requirements (i.e specific analysis ground vibration would occur at nur recommendation monitoring require	tural damage, minimul f ground vibration-proc urpose of preventing c ned based on the prop letermined. Factors to f the vibration produci lriving), local soil cond y of the nearby structu e., 55 feet) can be brea is conducted by a qua specialist that indicat earby buildings or stru is (e.g., alternative pile rements) to avoid dam	m setback requirements for ducing activities (e.g., pile damage to nearby structures boosed pile driving activities and be considered include the ing activity (e.g., type and itions, and the ures. Established setback ached if a project-specific, site diffied geotechnical engineer or es that no structural damage inctures or provides further e driving methods, site haging nearby structures.	
Impact 12-3: Increases in operation-relat Alternatives 1, 2, and 3 would result in ar buoys, lifts, boat ramps) that would contr activity over time. Because boating is ger in boating activity would be distributed ar effect on CNEL, which considers noise le period. Single-event noise levels are affer exceeding speed limits in the no-wake zo Alternatives 1, 2, and 3, TRPA would incr through additional boat crews, signage, a would reduce such boater behaviors that event noise standards. Further, none of t substantial increase (i.e., 3 dBA) in CNEL Alternative 4, no increases in boating act	ed watercraft noise dditional boating structu- ibute to an overall incre- nerally a daytime activity cross the lake, it would h vels in a given location of cted by individual boate ne) and boat/engine typ ease enforcement of the and increased boater ed contribute to exceedar he alternatives would re- from increases in boati ivity would occur.	ures (e.g., slips, ase in boating and increases have a negligible over a 24-hour r behaviors (e.g., pe. Under e no-wake zone lucation, which nees of single- esult in a ng activity. With	Alt 1, 2, 3 – LTS Alt 4 - NI	No mitigation require	:d		No mitigation required

	Impa	cts		Significance without Mitigation		Mitigation Measures		
	B = Beneficial	NI = No impact	LTS = Less than	significant PS = F	Potentially significant	S = Significant	SU = Significant and unavoidat	ble
Impact 12-4: Incre Alternatives 1, 2, i buoys, lifts, boat r and commensura conditions. With A vehicle trips would	eases in operational-rela and 3 would result in ad amps) that would lead to te increases in roadway Iternative 4, no increase d occur.	ated traffic noise ditional boating structu o an overall increase ir traffic as compared to as in boating activity or	ures (e.g., slips, boating activity, existing additional	Alt 1, 2, 3 – LTS Alt 4 - NI	No mitigation required			No mitigation required
13 Roadway Iran	sportauon and Girculaud							
Impact 13-1: Roa Under Shoreline F structures would in transportation net these structures w associated with th could result in an along roadway se large portion of th However, Chapter any proposed proj marina expansion significant enviror include an evalua Alternative 4 would	dway and intersection of Plan Alternatives 1, 2, an result in additional vehic work in the Region. It is vould be developed; and the development of these increase in delay and de gments in the project are e trips affect a single roa 3 of the TRPA Code of C ect, including projects th or public boat ramp, to imental effect. This projection of the project-gener d not generate any new	perations and 3 future development cular trips being added not known at this time d therefore, the addition e alternatives (Alternati egradation of LOS at in ea if concentrated in si adway segment or inte Drdinances requires the hat could result in new determine if it would re- ect-level environmenta rated trips and effects of vehicle trips.	nt of shorezone to the where any of n of vehicle trips ves 1, 2, and 3) tersections and uch a way that a rsection. at TRPA review trips such as a esult in a I review would on LOS.	Alt 1, 2, 3 – LTS Alt 4 - NI	No mitigation required			No mitigation required
Impact 13-2: Vehi Each Shoreline Pl location and inter affect travel patte Alternatives 1, 2, 4 VMT levels below Alternatives 1, 2, 4 maintain summer	cle miles traveled an alternative would incl sity of future shorezone rns, the number of new and 3 would result in an the adopted TRPA thres and 3. Alternative 4 wou daily VMT levels below	lude ordinances that w structure developmen vehicle trips generated increase in VMT but w hold standard. Ild not increase VMT au the adopted TRPA VMT	ould affect the t, which would I, and VMT. ould maintain nd would threshold.	Alt 1, 2, 3 - LTS Alt 4 - NI	No mitigation required			No mitigation required

Impacts		Significance without Mitigation	Mitigation Measures		Significance with Mitigation	
B = Beneficial	NI = No impact LTS = Less	han significant PS = P	otentially significant	S = Significant	SU = Significant and unavoidab	ble
14 Terrestrial Biological Resources (Wild	life and Vegetation)					
Impact 14-1: Disturbances to osprey, bal construction and recreational uses Osprey, bald eagle, and waterfowl are de species and use the shorezone and adja foraging. Potential effects of the Shorelin eagle could include construction-related new piers and boat ramps, long-term inc eagle and suitable habitat from boating a degradation within TRPA-designated osp Although suitable nesting habitat for wat new projects would be permitted (e.g., ou population sites), construction-related ac habitat could disturb nesting attempts of impacts to osprey, bald eagle, and water 2, 3, and 4, with some differences in ma amounts, and quality of habitats potentia	d eagle, and waterfowl from signated by TRPA as special interest cent locations for breeding and le Plan alternatives on osprey and ba disturbances to nesting activities frou reased disturbance to osprey and ba and other recreational uses, and hab rey and bald eagle disturbance zones erfowl is limited in the shorezone who utside of TRPA-designated waterfowl tivities that may occur within suitable i waterfowl. The types of potential fowl would be similar for Alternatives gnitude based on the locations, ally affected.	Alt 1, 2, 3, 4 - S	 Mitigation Measure 1 osprey and bald eagle implement habitat er unavoidable activities Alts 1, 2, 3, and 4) Surveys for nestin construction of ne could be disturbe occur within 0.25 eagle nests durin August), unless s qualified biologis operating period it can be determi have left the nest agencies, the LOR disturbance is no disturbance to ar other factors. During project-sp new shorezone fa disturbance zone For projects and human intrusion or bald eagle dist sensitivity of the trails or access ro eagle will be desi For projects that habitat within TR coordination with appropriate comp for achieving TRP Potential approaches within disturbance zo 	14-1a: Avoid construction le. install interpretive si nhancement plans or our s within TRPA-designat Ing osprey and bald ear we shorezone facilities ed during construction 5 mile of active osprey- ing the breeding season surveys confirm that the st can amend the start (LOP) with concurrence ined that breeding have t. Additionally, with con- P could be waived in 1 ot expected to increase in active nest through becific planning, design acilities, avoid siting pro- es for osprey and bald uses that may result in into the terrestrial/up turbance zones, signar- area and discourages outes or otherwise discourages	on disturbances to nesting gnage, and prepare and other compensatory measures for ed disturbance zones. (applies to agle will be conducted prior to es, to identify active nests that h. No construction activities will y nests and 0.5 mile of bald on (approximately April to he birds are not nesting. A t and end dates of this limited ce from appropriate agencies if s not started or that fledglings oncurrence from appropriate locations where construction we ambient levels or presence of visual screening or in, and environmental review of projects within TRPA-designated leagle, to the extent feasible. in unavoidable increased bland portions of TRPA osprey age that describes the s users to leave established sturb nesting osprey or bald able long-term degradation of gle disturbance zones, entify and implement that are effective and feasible standard for disturbance zones. effects and enhancing habitat on and implementation of a	Alt 1, 2, 3, 4 – LTS

Impacts		Significance witho Mitigation	put	Mitigation Measures		Significance with Mitigation	
B = Beneficial	NI = No impact	LTS = Less than	significant PS	= Potentially significant	S = Significant	SU = Significant and unavoidat	ble
				habitat enhancem measures, technik to enhance osprey within the affected other osprey or ba enhancement opp population could I determine whethe enhancement as current project de formal habitat enh <u>Mitigation Measur</u> and implement a 3, and 4) For construction a nesting season (g other seasonal co focused surveys fit construction activ nest is located du TRPA. If necessar occupied habitat v and implemented conflicts with proje avoid disturbance be prohibited with appropriate regula is no longer active through consultat	nent and management pla ques, performance standa y habitat. Habitat enhance d TRPA osprey or bald eag ld eagle disturbance zone portunities and benefits to be maximized. Coordination er more focused measures part of the project could b sign may benefit osprey of nancement and managen re 14-1b: Conduct precon- limited operating period, if ctivities that would occur enerally April 1–August 3: nditions), a qualified wildl or waterfowl nests no mor- ities are initiated each cou- ring the preconstruction s y, modifications to the pro- while still achieving project to the extent feasible. If a ext objectives, a limited op s during the sensitive ness in a minimum of 500 feel atory agency) of the nest to these recommended bu- to with TRPA.	an that includes objectives, ards, and adaptive management ement would be implemented gle disturbance zones and/or es in the Tahoe Basin where the regional osprey or eagle on with TRPA would occur to s to achieve habitat e implemented, or whether the r bald eagle habitat, in lieu of a nent plan. <u>struction surveys for waterfowl</u> <u>f necessary (applies to Alts 1, 2,</u> in suitable habitat during the 1, depending on snowpack and ife biologist shall conduct re than 14 days before nstruction season. If an active surveys, the biologist shall notify ject design to avoid removal of t objectives shall be evaluated avoidance is not feasible or perating period shall apply to ting season. Construction shall t (or at a distance directed by the o avoid disturbance until the nest uffer areas may be reduced	
Tahoe yellow cress (TYC) is a sensitive pla beaches of Lake Tahoe. This species is de threshold indicator species by TRPA, and i and endangered by the states of Nevada Alternatives 1, 2, 3, and 4 would result in	ryenow cress nt species found only c signated as a sensitive is state-listed as critical and California, respecti construction and opera	on the sandy e plant and Ily endangered ively. ation of new	AIL 1, 2, 3, 4 - 5	<u>construction impa</u> <u>cress plants (</u> appl	e 14-2. Conduct precents cts, and avoid potential re ies to Alts 1, 2, 3, and 4)	ecreation impacts to Tahoe yellow	AIL 1, 2, 3, 4 - LIS

Impacts			Significance without Mitigation	Mitigation M	Significance with Mitigation	
B = Beneficial	NI = No impact	LTS = Less than	significant PS = Po	otentially significant S = Significant	SU = Significant and unavoidal	ble
shorezone structures within beach ha and size of individual projects in relat habitat, construction-related activities beach habitat occupied by TYC could or other disturbances through inadve deposition. Over the long term, the ac watercraft, nonmotorized watercraft, increase the frequency of recreationis could result in additional trampling, d adversely affect current or future TYC impacts to TYC would be similar amon differences in magnitude based on th potentially affected. Subsection 61.3.6 of the TRPA Code s likely to harm, destroy, or otherwise je shall fully mitigate their signific Additionally, in California, because TY take of TYC would require authorizatic Game Code Section 2081 incidental	bitats. Depending on the ion to TYC occurrences ar is that may occur within or result in the direct remover the trampling, soil distur- lditional recreation capace anglers, swimmers, and b sts within occupied TYC has egradation, or loss of exis habitat suitability. The typ ng Alternatives 1, 2, 3, an e amounts and locations states that "all projects or expandize sensitive plants verse effects. Those projects ant adverse effects are p C is listed as endangered on by CDFW through a Ca take permit.	specific locations ad suitable adjacent to al of TYC plants, bance, and dust ity for motorized eachgoers could abitat, which ting TYC, and bes of potential d 4, with some of beach habitats r activities that are or their habitat, cts or activities rohibited." under CESA, any lifornia Fish and		To avoid potential adverse effects on TYC activities and potential increased use of I following actions shall be implemented: (A) During project-specific planning, desig shorezone facilities, avoid siting projec TYC occurrences, to the extent feasible (B)For any projects that could affect TYC, the vegetation of the Tahoe Basin and a focused preconstruction survey for T construction-related disturbance could populations during that year. Surveys a 15 and September 30, when TYC is cl <i>Survey Protocols for Tahoe Yellow Cree</i> Pavlik 2009). Surveys shall be comple activities could occur in beach habitat the survey, the results of the survey sh to TRPA and the TYC AMWG that shall environmental record, and no further a (C) If TYC stems are documented during t disturbed by construction activities, th the field and protected from impacts a activities. Protective measures shall in fencing around known stem locations construction-related activities shall be avoidance, and construction personne presence of the stems and the need to (D) To protect TYC plants from potential lo disturbance as an indirect result of in shorezone, protective fencing and edu avoid these areas shall be installed an beaches occupied by TYC where new constructed and operated, other beac likely to receive increased recreation to be identified and subject to these me	plants resulting from construction peaches that support TYC, the n, and environmental review of new its within areas known to support e. a qualified biologist familiar with identification of TYC shall conduct YC in all beach habitat where l occur in the vicinity of TYC shall be conducted between June early identifiable, and shall follow ss <i>Annual Surveys</i> (Stanton and ted for each year that construction . If no TYC stems are found during iall be documented in a letter report become part of the project actions shall be required. he survey in areas potentially e stems shall be clearly identified in issociated with construction iclude installing high-visibility during construction. No allowed in areas fenced for el shall be briefed about the p avoid effects on the stems. ong-term increased beach use and creased recreation activity in the ucational signage about the need to round all TYC clusters. In addition to shorezone facilities would be ch areas that support TYC that are uses as a result of the projects shall asures.	

Impacts	Significance without Mitigation		Mitigation Meas	ures	Significance with Mitigation
B = Beneficial NI = No impact LTS = Less than	significant PS = Po	otentially significant	S = Significant	SU = Significant and unavoidab	le
		(E) Long-term fencing and maintained, as necess good working conditio TYC could shift over tir relative to TYC distribut fencing shall be move distribution to ensure locations of TYC plants be determined by surv program. The installatt fencing and signage w operations and mainter	d signage will be peri sary, to ensure that t in. Also, because loca me, the locations and ution shall be evaluat ed or added in respor that TYC plants are p is and shifts in their lo veys as part of the or ion and maintenanc vill be designed to no enance activities at f	iodically monitored and they remain effective and in ations and concentrations of d configurations of fencing ted periodically. If necessary, nese to changes in TYC protected over time. The ocations relative to fencing can ngoing AMWG TYC monitoring e of long-term protective ot interfere with necessary facilities.	
Impact 14-3: Disturbance or loss of common terrestrial vegetation communities and wildlife habitats Common natural terrestrial habitats within the shorezone and adjacent areas consist primarily of beach and a mix of conifer forest, scattered conifer trees, and snags. Additionally, urban/developed and ruderal (disturbed) areas are distributed throughout the shorezone where existing facilities (e.g., boat ramps, marinas, buildings, trails) and lake access are present. These habitats support several common native wildlife species that use them for nesting, foraging, resting, or wintering. Alternatives 1, 2, 3, and 4 would result in construction and operation of new shorezone structures, and associated increases in recreation use, that could disturb common vegetation and wildlife. The types of potential impacts to common vegetation and wildlife communities would be similar among Alternatives 1, 2, 3, and 4, with some differences in magnitude based on the locations, amounts, and quality of habitats potentially affected. The potential disturbance or removal of terrestrial vegetation from future projects permitted under any of the Shoreline Plan alternatives would be relatively minor and not substantially reduce the quantity or quality of terrestrial vegetation communities and habitats in the region or cause a change in species distributions or diversity. Additionally, none of the alternatives are expected to increase construction-related or recreational disturbance levels in the shorezone above levels that would substantially affect most common species. Accordingly, the alternatives are not expected to substantially affect the distribution, breeding productivity, viability, or the regional population of any common wildlife species, or result in a change in species diversity.	Alt 1, 2, 3, 4 - LTS	No mitigation required			No mitigation required

Impacts		Significance without Mitigation	Mitigation Measures		sures	Significance with Mitigation
B = Beneficial NI = No impact LTS	S = Less than sig	gnificant PS = Po	tentially significant	S = Significant	SU = Significant and unavoidab	ble
15 Public Health and Safety						
Impact 15-1: Increase in watercraft accidents due to increased boatin navigational hazards Alternatives 1, 2, and 3 would increase the number of annual and per- trips on the lake, whereas Alternative 4 would retain boating levels co- with existing conditions. Increased levels of boating activity would add factors that contribute to boating accidents, such as more watercraft, boating density at popular shoreline areas and lake access points, an potential for conflicts between motorized and nonmotorized recreatio the additional boating activity resulting from Alternatives 1, 2, and 3 w aggravate the factors that contribute to boating accidents, the 600-fo zone, improved public boating safety education programs, and compl California and Nevada boating safety laws would reduce the risks and associated impacts. Alternative 4 would not contribute to such factors Implementation of any of the four alternatives could lead to public pie extending beyond the 600-foot no-wake zone, which could create nav hazards and conflicts between motorized and nonmotorized watercraft swimmers. Additionally, Alternative 2 does not include location standa limiting the length of private multiple-use piers to within the no-wake zone.	ng and eak day boat onsistent d to the , higher nd greater on. While would bot no-wake liance with d s. ers vigational aft and ards zone.	Alt 1, 2, 3, 4 - PS	Mitigation Measure 15 wake zone (applies to TRPA will implement M Chapter 8, "Recreation revise the pier design the highwater elevation within the 600-foot no motorized watercraft i outside of no-wake zo <u>Mitigation Measure 15</u> <u>number of moorings a</u> TRPA will implement M "Air Quality," which wo number of new moorin number authorized ur new moorings and two	5-1a: Maintain nonmot Alts 1, 2, 3, and 4) Aitigation Measures 8- n." These mitigation m standards for piers tha on to provide lateral non- wake zone and provid hwake zone and provid hwake zone and provid not oprovide lateral non- wake zone and provid not the provide lateral non- wake zone and provid not the provide lateral not provide lateral non- motion and nonmoto nes. 5-1b: Implement Mitigation Mage (i.e., buoys, slips, a inder Alternative 1. This ponew boat ramps.	torized navigation within the no- 1a and 8-1c as described in leasures require that TRPA at extend 600 feet or more from nmotorized recreation access de for a 200-foot buffer between prized recreationists in areas ation Measure 10-1 to limit the les to Alt 2 only) -1, as described in Chapter 10, Ordinances to limit the total and lifts) and boat ramps to the would allow a total of 2,116	Alt 1, 2, 3, 4 - LTS
Impact 15-2: Accidental release of hazardous substances Each of the Shoreline Plan alternatives would temporarily increase the transportation, use, storage and disposal of hazardous materials and products commonly used at construction sites (such as diesel fuel, lu paints and solvents, and cement products containing strong basic or chemicals), which could result in accidents or upset conditions that con hazards to people and the environment. The replacement of older pier require the disposal of wood treated with preservatives, which could contaminate surface water and groundwater if not properly handled a disposed. Temporary impacts could occur if construction were to affe known contamination or inadvertently disturb hazardous materials or a manner that could release these materials into the environment, ex construction workers or nearby sensitive receptors to hazardous conce Compliance with all local, state, and federal regulations is sufficient to that any hazardous materials used during construction of future proje	the regional d petroleum ubricants, racidic rould create ers may and ect sites of r wastes in xposing ditions. o ensure ects would	Alt 1, 2, 3, 4 - LTS	No mitigation required	1		No mitigation required

Impacts	Significance without Mitigation	Mitigation Measures		Significance with Mitigation
B = Beneficial NI = No impact LTS = Less tha	n significant PS = Po	otentially significant S = S	Significant SU = Significant and unavoid	able
not result in adverse effects. Specific projects implemented in accordance to the adopted Shoreline Plan would be subject to permit processes and conditions pursuant to TRPA regulations and, depending upon location and whether or not there is federal discretion, CEQA and NEPA statutes and implementing regulations. Such review could include site-specific impact analysis and adoption of feasible mitigation measures that must be implemented to assure that standards of the region are met. With the addition of access points to the lake and the increase in navigational hazards in the form of longer piers and additional structures in the water, the Shoreline Plan alternatives could result in a long-term increase in the risk of accidental discharge of fuel and other hazardous materials into the lake. Alternative 1 would require that TRPA consult with water purveyors when evaluating applications and development of permit conditions for any proposed shoreline structure within one quarter mile of a drinking water intake, while Alternatives 2, 3 and 4 would require consultation within 600 feet. Furthermore, as described in Chapter 6, "Hydrology and Water Quality," Impact 6-4, given the rapid rate of biodegradation of hydrocarbon compounds, the non-toxic levels monitored on the lake, and current TRPA regulations pertaining to control of discharges of contaminants from boating facilities using best management practices (BMPs).				
Impact 15-3: Shoreline emergency access Implementation of the Shoreline Plan Alternatives 1, 2, or 3 would increase boating activity. Increased boat use would aggravate many of the factors that contribute to boating accidents, leading to an increased need for emergency response services. Emergency responders' ability to access boaters and swimmers in the water could be hindered by the increase in activity in the nearshore, foreshore, and backshore. Furthermore, low water conditions during drought years and under future projected climate scenarios would present a challenge for emergency responders, as some existing lake access points are unavailable during low water conditions. Because most of the emergency responders' watercraft are located on the water, lake access is not an issue for a majority of first responders. Alternative 1 would incorporate low lake level adaptation strategies along with the provisions of TRPA Code Section 84.10.2, which establishes a framework to provide essential emergency access and egress to Lake Tahoe. Alternative 2	Alt 1& 2 – LTS Alt 3 & 4 –PS	 Mitigation 15-3: Implement Io Alts 3 and 4) TRPA will incorporate the follo provide shoreline emergency. Marina buoy fields would lakeward anchors to acco be relocated to the lakew increasing the total numb Marinas would be allowed to provide access for boa LTD. Public boat ramps could I subject to permit condition 	w lake level adaptation strategies (applies to access during low water conditions: be able to include additional rows of commodate low lake levels. Buoy floats could vard anchors during low lake levels without ber of buoys. d to use temporary floating pier extensions its when lake levels fall below 6,225 feet be expanded to extend farther into the lake, ons.	Alt 1& 2 – No mitigation required Alt 3 & 4 – LTS

Impacts			Significance without Mitigation	Mitigation Measures			Significance with Mitigation
B = Beneficial	NI = No impact	LTS = Less than	significant PS = Pc	otentially significant	S = Significant	SU = Significant and unavoidat	ble
would allow for substantially greater let Alternative 2 would maintain existing d development around the natural lake r Datum (LTD). Buoy floats and anchors move farther lakeward during periods of Code Section 84.15.4 allows for tempo bottom elevation 6,219 feet or the pier Alternatives 3 and 4 would result in dif increase with Alternative 3, and no pro Alternative 4. Alternatives 3 and 4 would standards, focusing development aroun feet LTD. Buoy floats and anchors with farther lakeward during periods of low no other provisions to allow modification during such conditions.	vels of boating activity the evelopment standards, i im elevation of 6,223 fe within buoy fields would of low lake levels. Further prary structures that exter headline during low war ferent levels of boating a fected increase from exist Id maintain existing develor nd the natural lake rim e in buoy fields would be a lake levels, but the altern ons to facilities or structu	an Alternative 1. focusing et Lake Tahoe be allowed to rmore, TRPA end beyond lake ter conditions. activity—a small sting levels with elopment elevation of 6,223 illowed to move natives contain ires to be useable		New dredging cou subject to permit of the subject to permit of the subject to permit of the subject to permit of the s	ld be allowed at mar	inas and public boat ramps,	
Impact 15-4: Increase demand for on-I Implementation of each alternative wo creating potential for an increase in bo release of hazardous materials. This w response services. As discussed in Imp improved public boating safety educati safety/enforcement patrols, and comp safety laws would reduce the risk of bo Impacts associated with increased nav implementation of Mitigation Measure compliance with all local, state, and fee that any hazardous materials used thre construction would not result in advers emergency services would likely be min Emergency response providers that act that they have adequate capacity to ha demand for emergency services. Furth which allows for the designation of up 1 within each county-jurisdiction plus the would remain unchanged. In drought y	ake emergency respons uld result in new shoreze ating accidents and the puld increase the demar nact 15-1, the 600-foot r on programs, expanded liance with California an ating accidents due to ir igational hazards would 15-1a. As described in I deral regulations is suffic pughout the project area e effects. Thus, the increa- nor. t on lake-related emerge indle additional project-g ermore, TRPA Code Sect to one Essential Public S U.S. Coast Guard Lake ears, TRPA allows first re-	e facilities one structures, accidental nd for emergency no-wake zone, d Nevada boating ncreased boating. be reduced with mpact 15-2, cient to ensure during eased demand for encies indicate generated cion 84.10.2, iafety Facility Tahoe Station, esponder	Alt 1, 2, 3, 4 - LTS	No mitigation required	1		No mitigation required

Impacts		Significance without Mitigation		Mitigation Meas	sures	Significance with Mitigation	
B = Beneficial	NI = No impact	LTS = Less than	significant PS = P	otentially significant	S = Significant	SU = Significant and unavoidal	ble
organizations to designate locations for safety purposes. This would ensure that access points to the lake and reduce th access facilities, the construction of whi environment.	temporary moorings for emergency providers ha e need for construction ch could result in advers	regional public ave adequate of new lake- se effects to the					
16 Cultural Resources				T			
Impact 16-1: Cause the alteration of, or structure, object, or building Implementation of the four Shoreline Pla development on properties that could or resources, are associated with historica result in adverse physical or aesthetic e structure, object, or building. Because e construction, each has the potential to or resources through implementation.	adversely affect a histor an alternatives would re ontain known or unknow Ily-significant events or i ffects to a significant his ach alternative would re disturb, disrupt, or destro	rical site, sult in n historic ndividuals, or torical site, sult in some new by historic	Alt 1, 2, 3, 4 – PS	Mitigation 16-1: Avoi 1, 2, 3, and 4) Once the exact locati based development earth-disturbing active evaluate all historic-a are proposed to be re- determination applice include preparation of resources to determi local criteria. If require architectural historia Interior's Standards a Professional Qualifice the NRHP, CRHR, or on these resources s mitigation measures	d potential effects on his on of the new piers, boa has been determined ar vities for construction, ap age (over 45-years in age emoved and/or modifier ation with TRPA or appli of an historic resource a ne their eligibility for rec red, the assessment sha n, or historical architect and Guidelines for Arche ation Standards. If resou a local register are ident hall be included in the r to avoid impacts.	storic resources (applies to Alts at ramps, and any other land- nd before commencement of pplicants shall identify and e) buildings and structures that d as part of a historic cable local jurisdiction. This may ssessment and evaluation of cognition under state, federal, or all be prepared by an meeting the Secretary of the eology and Historic Preservation, urces are eligible for inclusion in tified, an assessment of impacts eport, as well as detailed	Alt 1, 2, 3, 4 – LTS
Impact 16-2: Cause the alteration of, or resource Implementation of the Shoreline Plan al that could take place on properties that adverse effects to known or unknown a alternative would result in some new co each has the potential to disturb, disrup through implementation of specific proje	adversely affect an arch ternatives would result i contain, be associated v rchaeological resources. nstruction over the plan t, or destroy archaeolog ects.	n development with, or result in . Because each ning period, ical resources	Alt 1, 2, 3, 4 – PS	Mitigation 16-2: Avoi to Alts 1, 2, 3, and 4) ▲ Once the exact lo any other ground determined and for construction, conduct archaeo determination ap To ensure that no affect potentially archaeological so	d potential effects on ar boation of the new pier disturbing developme before commencemen applicants shall retain logical surveys of the s oplication with TRPA or ew or expanded faciliti- buried archaeological urvey shall also be con	s, boat ramps, dredging, or ent (excluding buoys) has been it of earth-disturbing activities a qualified archaeologist to site as part of a historic applicable local jurisdiction. es and uses do not adversely deposits, an underwater ducted to identify, evaluate,	Alt 1, 2, 3, 4 - LTS

Impacts			Significance without Mitigation	Mitigation Measures		Significance with Mitigation	
B = Beneficial	NI = No impact	LTS = Less than	significant PS = P	otentially significant	S = Significant	SU = Significant and unavoidab	ble
				 and protect sign activities that we activities that we activities that we and implementin construction mo sites, or preserve. All projects shall approval: If evide archaeological fe construction-relaters, li area of the disco and TRPA shall be shall be rotified. Not meet NRHP, applicable, for clarchaeologist de evaluate signific find is determine (i.e., because the resource or a un shall work with the resources, and in design, economi professional states the information to the shall be resource to the resource or the shall be resource or a un shall work with the resources and in design, economi professional states the resource or the information to the informatio	ificant submerged cult build disturb the lakebe nall follow recommenda de activities such as sing a Worker Environme nitoring by a qualified ation in place. I include the following lence of any prehistoric eatures or deposits are ated earth-moving acti- thic scatters), all grour overy shall be halted at be notified immediately d to assess the signific eological site, the appr . If the archaeologist d NVSRHP, or CRHR sta ultural resources, cons- etermines that further i ance, a data recovery ed to be significant by e find is determined to ique archaeological re he project applicant to f complete avoidance i ics, logistics, and other ndards in recording an forms required by the a- he appropriate informa	tural resources prior to ed. ations identified in the survey, ubsurface testing, designing, ental Awareness Program, archaeologist, avoidance of requirements as a condition of c or historic-era subsurface e discovered during vities (e.g., ceramic shard, nd-disturbing activity in the nd the appropriate jurisdiction y. A qualified archaeologist ance of the find. If the find is a opriate Native American group etermines that the find does indards of significance, as struction may proceed. If the information is needed to plan shall be prepared. If the the qualified archaeologist o constitute either an historical esource), the archaeologist o avoid disturbance to the is not feasible in light of project r factors, follow accepted by find including submittal of applicable SHPO and location ition center.	
Impact 16-3: Degrade ethnic and cultur Because the project could result in physisites, unique ethnic cultural values coul religious or sacred uses within the Plan with the Washoe Tribe is required by TR activities could still uncover or destroy h identified in Impact 16-1 (historic) and I	<u>al values</u> ical changes to historic d be affected, and historia area could be restricted PA regulations; however istoric or archaeological mpact 16-2 (archaeolog	and prehistoric ric or prehistoric . Consultation r, project resources as gical).	Alt 1, 2, 3, 4 – PS	Mitigation 16-3: Imp Alts 1, 2, 3, and 4) TRPA will implement historic resources," as descri	<u>element Mitigation Meas</u> t Mitigation Measure 16 and 16-2, "Avoid potent ribed above.	sures 16-1 and 16-2 (applies to 6-1, "Avoid potential effects on ial effects on archaeological	Alt 1, 2, 3, 4 - LTS

Table L3-1 Juli mary of impacts and writigation measur					
Impacts	Significance without Mitigation		Mitigation Mea	sures	Significance with Mitigation
B = Beneficial NI = No impact LTS = Less that	an significant PS = Po	otentially significant	S = Significant	SU = Significant and unavoidab	ble
17 Cumulative Impacts					
The Shoreline Plan is a long-range plan developed to manage the amount and intensity of recreational use and development along Lake Tahoe's shore in a manner that attains and maintains the environmental thresholds. Together, the Shoreline Plan works with the other elements of the Regional Plan and the Regional Transportation Plan (RTP) to regulate the total amount and type of development within the Lake Tahoe Region. Consequently, this planning framework inherently represents the cumulative condition within the Region. Because the Shoreline Plan considers the cumulative buildout of the shoreline, the analyses contained in Chapters 4 through 16 of this EIS are cumulative in nature. Similarly, the Regional Plan regulates the buildout of portions of the Region. The cumulative analysis identifies: whether an existing significant adverse cumulative condition exists with respect to each resource, whether implementation of the Shoreline Plan alternatives in the context of past, present and reasonably foreseeable plans, programs and projects, would result in a significant cumulative condition is identified, the analysis addresses whether the incremental contribution of the Shoreline Plan alternatives, combined with those of related region-wide plans, programs, and projects, would create a significant cumulative condition is identified, the analysis addresses whether the incremental contribution of the Shoreline Plan alternatives, combined with those of related region-wide plans, programs, and projects, would create a significant cumulative impact. For each resource topic analyzed, the cumulative analysis presented in Chapter 17 determined that there would be no adverse cumulative condition, or that the Shoreline Plan alternatives would not make a considerable contribution to a significant cumulative impact.	Alt 1, 2, 3, 4 – LTS	No mitigation required			No mitigation required



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MEMORANDUM

Date: June 6, 2018

To: TRPA Advisory Planning Commission

From: TRPA Staff

Subject: Receipt of comment on the Draft EIR/EIS for the Kings Beach Pier Rebuild Project

Requested Action: This an informational item only. No action is required at this time.

Staff will provide a summary presentation of the Draft Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Kings Beach Pier Rebuild Project (State Clearinghouse No. 2015122056). TRPA staff and representatives from Ascent Environmental (the consulting firm who prepared the Draft EIR/EIS), and California State Parks will be available following the presentation to answer questions from the Advisory Planning Commission (APC), and to record formal public comments on the Draft EIS. TRPA is only considering and approving the pier rebuild.

<u>Staff Recommendation</u>: Accept public comment on the pier portion of the document.

<u>Required Motions</u>: This is an informational item only; no motion is required.

Project Description/Background: On May 1, 2018, TRPA and California State Parks released a Draft EIR/EIS for the Kings Beach State Recreation Area Preliminary General Plan Revision and Draft Environmental Impact Report/Kings Beach Pier Rebuild Project Draft Environmental Impact Report/Environmental Impact Statement pursuant to Article VII of the Tahoe Regional Planning Compact, Chapter 3 of the TRPA Code of Ordinances, and the California Environmental Quality Act (CEQA). Comments on the Draft EIR/EIS will be accepted until **June 29, 2018**. The purpose of the comment period is to gather input from the APC and public on the adequacy of the Draft EIR/EIS in terms of the range of alternatives, identified impacts, and proposed mitigation measures. At the conclusion of the comment period a Final EIR/EIS will be prepared and will include responses to all relevant comments received during the comment period. TRPA action on the Kings Beach Pier Rebuild, including certification of the Final EIR/EIS by the Governing Board, is tentatively scheduled for Fall/Winter 2018.

The proposed Kings Beach State Recreation Area (KBSRA) General Plan revision is a California State Parks-initiated update to its original General Development Plan developed in 1980. The General Plan revision includes conceptual plans for future development of and improvements to all of the property

managed as KBSRA, including the boat ramp, boat trailer parking lot, and the California Tahoe Conservancy (CTC) plaza parcels near the intersection of Coon Street and State Route (SR) 28 (i.e. North Lake Boulevard). The General Plan revision identifies the pier as a future project and would be constructed to meet Americans with Disabilities Act (ADA) requirements for access and to provide a public pier at KBSRA that is functional for multi-use recreational benefits at most water levels. TRPA will not adopt the KBSRA General Plan revision; however TRPA will consider certification of the Environmental Impact Statement which analyzed both the General Plan revision and the pier rebuild project. TRPA will rely upon the approved Environmental Impact Statement to support the near-term future approval of the pier rebuild project. As a funding source for the pier rebuild project, the CTC is a responsible agency under the California Environmental Quality Act (CEQA) and will use the environmental document in their approval process for funding the pier.

The pier rebuild project is a near-term project consistent with the General Plan revision and is a TRPA Environmental Improvement Project for improving lake access under the Recreation threshold category (EIP Project Number 04.01.01.0013). The pier will help maintain recreation threshold attainment status by providing high quality access to Lake Tahoe to the general public. The existing pier is located near the center of the Kings Beach State Recreation Area and extends to a lake bottom elevation of approximately 6,223 feet. During periods of low lake levels, this pier does not reach water and is unusable for motorized boat access. The Draft EIR/EIS analyzed four pier alternatives. The three action alternatives relocate the existing pier and extend it to a navigational depth of 6,217 feet, and so pier length varies among the alternatives. Reconstructing the pier at KBSRA so that it is accessible during varying lake levels will enhance the public access to both the state recreation area and Lake Tahoe. The pier is expected to be rebuilt within 3 years of project approval and permitting. The applicant has submitted an application for the pier to TRPA.

As discussed below, one or more of the alternatives would result in significant and unavoidable impacts related to scenic or visual quality from the pier rebuild project. Alternative 2 includes the only pier option that would not cause a significant and unavoidable environmental impact, and therefore would be environmentally superior to the other pier action alternatives.

<u>Alternatives</u>: The Draft EIR/EIS evaluates three project alternatives and one "no project" alternative:

Alternative 1: No Project

Alternative 2: Eastern Pier Proposed Project

Alternative 3: Central Pier

Alternative 4: Western Pier

Attachment A: Table 5.1-1 Comparison of Existing and Pier Rebuild Alternative Details contains a summary of the project components for each of the four alternatives analyzed in the draft EIR/EIS.

<u>Significant Environmental Effects</u>: The Draft EIR/EIS identified significant or potentially significant effects of one or more of the four alternatives evaluated with respect to biological resources; public service and utilities; and scenic resources. **Attachment B: Table ES-1 Summary of Impacts, Guidelines, and Mitigation Measures** summarizes impacts identified under each action alternative. This table also identifies the significance of impacts after mitigation. Environmental impact conclusions indicate that Alternative 2 pier rebuild project includes the only pier option that would not cause a significant and unavoidable environmental impact.

<u>Significant and Unavoidable Adverse Impacts</u>: Most adverse effects could be mitigated to less-thansignificant levels. However, even with the application of feasible mitigation measures, implementation of one or more of the alternatives would result in significant and unavoidable impacts related to scenic resources. All of the action alternatives have effects on views toward Lake Tahoe and on visual quality of the site. However, the pier rebuild projects in Alternatives 3 and 4 would continue to block views of the lake and bring Scenic Resource 9-2 out of attainment of the TRPA scenic threshold standard after implementation of all feasible mitigation. Therefore Alternatives 3 and 4 would have significant and unavoidable impacts on the scenic quality of views toward the lake.

<u>Partial Shorezone Permitting Program and Proposed Shoreline Plan</u>: The action alternatives analyzed in the EIR/EIS comply with the screening criteria for the Partial Permitting Program and are consistent with the specific requirements related to boating capacity, scenic quality, soil erosion, and fish habitat. Additionally, all of the action alternatives are consistent with the proposed shoreline ordinances and associated code amendments.

<u>Availability of the Draft EIR/EIS</u>: Copies of the Draft EIR/EIS are available for download at <u>http://www.trpa.org/document/projects-plans/</u>.

Hard copies of the document can also be viewed during normal business hours at the following locations:

Placer County Library Kings Beach Branch 301 Secline Street Kings Beach, CA 96143

CSP, Sierra District Offices 7360 West Lake Boulevard Kings Beach, CA Tahoe Regional Planning Agency 128 Market Street Stateline, NV 89449

North Tahoe Events Center 8318 North Lake Boulevard Kings Beach, CA

North Tahoe Public Utility District Offices 875 National Avenue Tahoe Vista, CA

<u>Opportunities for Comment</u>: All relevant comments received by 5:00 p.m. on June 29, 2018 will be responded to in the Final EIR/EIS. Written comments may be submitted via Fax (530) 525-3380; via Email plan.general@parks.ca.gov; or may be mailed to the following address:

Marilyn Linkem, Superintendent California State Parks, Sierra District P.O. Box 266 Tahoma, CA 96142

In addition, the following hearings will be held during the public review period to receive comments on the Draft EIR/EIS. These include:

- ▲ June 13, 2018 TRPA Advisory Planning Commission (APC), Board Room, 128 Market Street, Stateline, Nevada. Meeting begins at 9:30 a.m.
- ▲ June 27, 2018 TRPA Governing Board, North Tahoe Event Center, 8318 N. Lake Boulevard, Kings Beach, California. Meeting begins at 9:30 a.m.

The TRPA APC and Governing Board meetings will begin at 9:30 a.m.; however, the proposed project is not time certain for any of these meetings. Please refer to the meeting agendas at the following links up to 1 week prior to the meetings for updated information: www.trpa.org/calendar/.

<u>Contact Information</u>: If you have any questions, or wish to submit comments regarding this agenda item, please contact:

Tahoe Regional Planning Agency: Tiffany Good, Senior Planner: <u>tgood@trpa.org</u>, (775) 589-5283.

Attachments:

Attachment A: Table 5.1-1 Comparison of Existing and Pier Rebuild Alternative Details Attachment B: Table ES-1 Summary of Impacts, Guidelines, and Mitigation Measures

Attachment A

Table 5.1-1 Comparison of Existing and Pier Rebuild Alternative Details

Attachment A: Table 5.1-1 Comparison of Existing and Pier Rebuild Alternative Details							
Feature		Existing Conditions	Alternative I No Project	Alternative 2 Eastern Pier	Alternative 3 Central Pier	Alternative 4 Western Pier	
Pier Structure Type		Fixed	Fixed	Combined: fixed from shore to low water (6223 feet), floating from low water to navigational target (6217 feet)	Same as Alternative 2	Same as Alternative 2	
	Fixed section			213	212	320	
	Floating section			215	329	329	
Pier length (feet)	# of Floating sections			7	10	10	
	Gangway			80	80	80	
	Total length	207		488	601	704	
Total visible mass (sq. ft.)		537	Same as existing	1,421	I,403	I,574	
Prime fish habitat affected (sq. ft.) ¹		NA	Conditions	4,930	NA	NA	
Piling configuration		Double		Single	Single	Single	
Number of pier pilin	gs	26		27	33	38	
Total footing area of	pier pilings (sq. ft.)	71.06		71	88	101	
Average deck width	(feet)	10		12	12	12	
Deck surface area (s	q. ft.)	3,151		8,121	9,904	11,220	
Low freeboard dock	s (LFDs)	NA	NA	I	2	2	
Accessibility		ADA compliant deck	Same as existing conditions	ADA compliant deck, gangway, and LFDs (including railings)	Same as Alternative 2	Same as Alternative 2	
Materials		Wood	Wood	Steel, aluminum, stainless steel, composite	Same as Alternative 2	Same as Alternative 2	
Lighting		NA	NA	Navigational safety lights only	Same as Alternative 2	Same as Alternative 2	
Colors		Brown	Same as existing conditions	Muted; greys	Same as Alternative 2	Same as Alternative 2	

¹ Pier area over feed and cover fish habitat. No portion of any of the piers overlays spawning habitat. Source: Conservancy 2016

Attachment B

Table ES-1 Summary of Impacts, Guidelines, and Mitigation Measures

Decourses Tanics/Impacts	Guidalinas that Address Descurse Impacts	Level of Significance before	Mitigation Massures	Level of Significance after
resources ropics/impacts	Guidennes that Address Resource impacts	Mitigation (by Alternative)	rilligation rieasures	Mitigation (by Alternative)
NI = No Impact	LTS = Less than Significant	S = Significant	SU = Significant and Unavoidable	
5.3.2 Biological Resources				
Impact 5.3.2-1: Disturbance and loss of prime fish habitat The removal of existing structures under Alternatives 2, 3, and 4 may temporarily disturb TRPA-designated prime fish habitat. However, potential impacts would be minimized by implementation of project-specific best management practices (BMPs) that are required for project permits and approvals and CSP Standard and Special Project Requirements. Alternative 2 would place the rebuilt pier within prime fish (feed and cover) habitat, resulting in the loss or degradation of 4,930 square feet of prime fish habitat. Alternatives 3 and 4 would place the pier outside of, and not remove, prime fish habitat; Alternative 4 additionally includes extending the existing motorized boat ramp near, but outside of, prime fish habitat. Alternatives 2, 3, and 4 could result in changes in localized watercraft activity but would not increase overall watercraft activity on Lake Tahoe and would not substantially change watercraft activity or disturbance within prime fish habitat. Taken together, the impacts to prime fish habitat under Alternatives 3 and 4 would be less than significant. However, the permanent removal or degradation of prime fish habitat under Alternative 2 would be significant. Implementation of Mitigation Measure 5.3.2-1 would not result in changes to the General Plan, removal of existing structures, construction of the rebuilt pier, or changes in watercraft use or resulting disturbance, this alternative would have no impact on prime fish habitat.	Guideline RES 2.1: Design the pier rebuild project to avoid spawning habitat, minimize effects on feed and cover habitat, and to meet or exceed prime fish habitat mitigation requirements Guideline RES 2.2: Remove the boat ramp due to conflict with the fish habitat. Guideline RES 2.3: Enhance prime fish habitat on the eastern end of KBSRA.	General Plan Revision Alts. I, 2, 3, 4 = NI Pier Rebuild Alt. I = NI Alt. 2 = S Alts. 3, 4 = LTS	 Mitigation Measure 5.3.2-1: Compensate for Loss of Prime Fish Habitat This mitigation measure would apply to the pier rebuild project under Alternative 2. If Alternative 2 is implemented, to compensate for the removal of prime fish habitat (feed and cover) as a result of constructing the eastern pier, 7,395 square feet of in-kind feed and cover habitat shall be created or restored in the surrounding area through the development and implementation of a Compensatory Fish Habitat Replacement and Monitoring Plan. The created/restored habitat would adjoin the existing feed and cover habitat at lake bottom elevations similar to those of habitat removed or degraded by installation of the eastern pier. The plan will be developed and implemented in coordination with applicable regulatory agencies, including CDFW, Lahontan RWQCB, USACE, USFWS, and TRPA. Additionally, the plan will be coordinated and consistent with terms and conditions of other required permits. Applicable permits expected for the project include a Clean Water Act Section 404 permit from USACE, Clean 	General Plan Revision Alts I, 2, 3, 4 = NI Pier Rebuild Alt. I = NI Alts 2, 3, 4 = LTS

S = Significant SU = Significant and Unavoidable Quality Certification from Lahontan RWQCB, and a Fish and Game
Quality Certification from Lahontan RWQCB, and a Fish and Game
 Code Section 1602 Lake and Streambed Alteration Agreement from CDFW. The Compensatory Fish Habitat Replacement and Monitoring Plan will include design, implementation, and monitoring requirements for creating/restoring 7,395 square feet of feed and cover habitat and achieving no net loss of fish habitat function, and shall include: identification of a specific habitat creation/restoration site that adjoins the existing feed and cover habitat in the area, and criteria for selecting the site; specifications for habitat substrate type and size-class distribution, material sources, and construction/installation methods; in-kind reference habitats for comparison with compensatory fish habitat/substrate (using performance and success criteria) to document success; monitoring protocol, including schedule and reporting requirements;

Attachment B: Table ES-1 Summary of Impacts, Guidelines, and Mitigation Measures						
Resources Topics/Impacts	Guidelines that Address Resource Impacts	Level of Significance before Mitigation (by Alternative)	Mitigation Measures	Level of Significance after Mitigation (by Alternative)		
NI = No Impact	LTS = Less than Significant	S = Significant	SU = Significant and Unavoidable			
Impact 5.3.2-4: Disturbance or loss of Tahoe	Guideline RES 3.1: Monitor the	General Plan Revision	 created/restored area; corrective measures if performance standards are not met; responsible parties for monitoring and preparing reports; and responsible parties for receiving and reviewing reports and for verifying success or prescribing implementation or corrective actions. No mitigation measures are required. 	General Plan Revision		
Yellow Cress Under Alternatives 2, 3, and 4, construction and operation of the pier rebuild project and future projects implemented under the General Plan revision may directly or indirectly disturb beach habitats suitable for Tahoe yellow cress (TYC). If TYC becomes established on the KBSRA beach in the future, without implementation of adequate TYC protection measures, construction activities and potential increases in beach use associated with the pier rebuild project and other projects implemented under the General Plan revision could potentially result in the disturbance or loss of TYC. However, CSP Standard and Special Project Requirements and General Plan guidelines would provide protection and prevent the take of TYC. These requirements and guidelines require monitoring of the beach area for the presence of TYC and protecting any occurrences with signage, fencing, or other measures as identified in the TYC Conservation Strategy. Because implementation of these measures is required and would identify, protect, and avoid take of TYC occurrences if they become established at KBSRA, the potential impact to TYC from the pier rebuild and General Plan revision under Alternatives 2, 3, and 4 would be less-than-	beach area for the presence of TYC. Guideline RES 3.2: Protect TYC plants, if they are detected, with fencing, signage, or other protection measures as identified in the TYC Conservation Strategy. Guideline RES 3.3: Educate KBSRA staff in the identification of TYC and coordinate with the TYC Adaptive Management Working Group to conduct surveys for TYC at KBSRA if surveys are called for as part of the TYC Conservation Strategy.	Alt. I = NI Alts. 2, 3, 4 = LTS Pier Rebuild Alt. I = NI Alts. 2, 3, 4 = LTS		Alt. I = NI Alts. 2, 3, 4 = LTS Pier Rebuild Alt. I = NI Alts. 2, 3, 4 = LTS		

Attachment B: Table ES-1 Summary of Impacts, Guidelines, and Mitigation Measures						
Resources Topics/Impacts	Guidelines that Address Resource Impacts	Level of Significance before Mitigation (by Alternative)	Mitigation Measures	Level of Significance after Mitigation (by Alternative)		
NI = No Impact	LTS = Less than Significant	S = Significant	SU = Significant and Unavoidable			
significant. Alternative I would not result in changes to the General Plan, removal of existing structures, or pier construction. Therefore, Alternative I would have no impact on TYC or suitable habitat. 5.3.10 Public Services and Utilities Impact 5.3.10-7: Increased demand for fire protection and emergency medical services Fire protection and emergency services at KBSRA are provided by the North Tahoe Fire Protection District (NTFPD). Implementation of Alternatives 2 through 4 would result in an increase in visitation at KBSRA by up to 10 percent over existing conditions, which could result in an incremental increase in demand for fire protection and emergency services. NTFPD has indicated that the increase in visitation would not be anticipated to increase demand for fire protection and emergency services such that there would be an adverse impact on station operations or response times (Conradson, pers. comm., 2017). Furthermore, construction of the new facilities would meet fire protection and safety requirements identified in the Uniform Fire Code, Uniform Building Code, and CSP Standard Project Requirements. For these reasons, the impact on fire protection and emergency services from Alternatives 2 through 4 General Plan revision and pier rebuild project would be less than significant. Alternative I would have no impact.	Guideline OP 2.1: Enter into partnerships or agreements with other regional and local agencies such as the Conservancy, TRPA, Placer County, NTPUD, North Tahoe Fire Protection District, and Placer County Sheriff to clarify management responsibilities, share resources, and more efficiently achieve goals and guidelines. Partnerships and agreements could address snow removal, interpretive programs, shared parking, emergency response, and/or other operational needs.	General Plan Revision Alt. 1 = NI Alts. 2, 3, 4 = LTS Pier Rebuild Alt. 1 = NI Alts. 2, 3, 4 = LTS	No mitigation measures are required.	General Plan Revision Alt. 1 = NI Alts. 2, 3, 4 = LTS Pier Rebuild Alt. 1 = NI Alts. 2, 3, 4 = LTS		
5.3.12 Scenic Resources						
Impact 5.3.12-1: Effects on views toward Lake Tahoe and the visual quality of the site Implementation of Alternative I would result in no changes at KBSRA and therefore no impact to views toward Lake Tahoe or the visual quality of the site. Alternative 2 would affect visual conditions by modifying man-made features visible from SR 28 and altering views	Guideline RES 10.1: Locate and design structures to minimize their visible mass and potential to detract from scenic views from within KBSRA. Guideline RES 10.2: Minimize the visibility of upland facilities from Lake	General Plan Revision Alt. I = NI Alts. 2, 3 = LTS Alt. 4 = S Pier Rebuild Alt. I = NI	Mitigation Measure 5.3.12-1a: Redesign the pier as a floating pier This Mitigation Measure applies to Alternatives 3 and 4. CSP and the Conservancy will redesign the central and western piers as low- profile floating piers that minimize their	General Plan Revision Alt. I = NI Alts. 2, 3, 4 = LTS Pier Rebuild Alt. I = NI Alt. 2 = LTS		

Attachment B: Table ES-1 Summary of Impacts, Guidelines, and Mitigation Measures							
Resources Topics/Impacts	Guidelines that Address Resource Impacts	Level of Significance before Mitigation (by Alternative)	Mitigation Measures	Level of Significance after Mitigation (by Alternative)			
NI = No Impact	LTS = Less than Significant	S = Significant	SU = Significant and Unavoidable				
of Lake Tahoe from SR 28. These visual changes would not substantially degrade the visual quality of the site, views from SR 28, views of Lake Tahoe or scenic vistas. Nor would the visual changes reduce the TRPA scenic quality ratings for the applicable roadway travel units, scenic resources, or for the recreation area. Thus, Alternative 2 would have a less-than-significant impact. The upland features of the General Plan revision in Alternative 3 would have similar effects on scenic and visual quality as Alternative 2, which would be less than significant. The upland features of the General Plan revision in Alternative 4 include shade structures that would degrade an existing view of Lake Tahoe and would reduce the TRPA scenic threshold score for Scenic Resource 20-5 resulting in a significant impact. However, after implementation of Mitigation Measure 5.3.12-1b, the impact of the upland features of the General Plan revision in Alternative 4 would be reduced to a less-than- significant level. The pier rebuild project in Alternatives 3 and 4 would block views of Lake Tahoe from the beach, including from TRPA-designated Scenic Resource 9-2, which would bring that resource out of attainment of its scenic threshold standard. This would be a significant impact for Alternatives 3 and 4. After implementation of all feasible mitigation, the pier rebuild project in Alternatives 3 and 4 would continue to block views of the lake and bring Scenic Resource 9-2 out of attainment of the TRPA scenic threshold standard. Therefore, the pier rebuild project in Alternatives 3 and 4 would have a significant and unavoidable impact on the scenic quality of views toward the lake.	 Tahoe by designing new or relocated facilities in locations that are screened from views, using materials and colors that blend with the natural background, and/or incorporating vegetative screening to obscure views of humanmade facilities from the lake. Guideline RES 10.3: Locate and design new facilities and improvements to minimize encroachment into views of Lake Tahoe from State Route 28. Preserve views of Lake Tahoe from TRPA-designated scenic resource 20-5, on SR 28 near the west side of KBSRA. Guideline RES 11.1: Incorporate the following design guidelines in new or redeveloped facilities in KBSRA: Buildings shall be constructed of wood, stone, or similar natural or natural-looking materials. Reflective materials, smooth surfaces, or brightly colored materials shall not be used, except where necessary for public safety. Facilities shall be dark earth-tone colors that blend with the natural environment and minimize the visibility of facilities. Lighter earth-tone colors can be used on portions of facilities to provide architectural detail and visual interest. The architectural design of facilities should reflect the natural mountain environment. Roofs should be sloped, and buildings should include articulation and architectural details 	Alt. 2 = LTS Alts. 3, 4 = S	 visibility from the beach. The redesigned piers shall maintain the following elements of the existing design that reduce its visual prominence: (1) minimize the visibility of pilings by including fewest number, smallest diameter, and shortest pilings feasible; and (2) the pier decking, floats, pilings, and other elements shall be colored a muted shade of medium to dark grey that allows the pier to visually blend into the water. In addition to maintaining these elements of the existing design, the redesigned pier shall comply with the following design criteria to the extent feasible without jeopardizing public safety or the structural integrity of the pier: the entire pier shall be designed as a floating pier with no fixed sections elevated above the beach or water surface; no railings or other non-structural elements shall be included above the pier deck; and the floating deck shall be designed to minimize the distance between the water surface and the top of the pier decking. Mitigation Measure 5.3.12-1b: Redesign shade structures as picnic sites. This Mitigation Measure applies to Alternative 4 CSP will redesign the four shade structures proposed between the 	Alts. 3, 4 = SU			

Attachment B: Table ES-1 Summary of	mpacts, Guidelines, and Mitigat	tion Measures		
Resources Topics/Impacts	Guidelines that Address Resource Impacts	Level of Significance before Mitigation (by Alternative)	Mitigation Measures	Level of Significance after Mitigation (by Alternative)
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	 and not exceed the height of the forest canopy. Guideline RES 11.2: Develop outdoor lighting to be part of the architecture and site design, maintain the operational efficiency of the site, avoid light pollution, and provide security. Outdoor lighting, at a minimum, shall comply with the following guidelines: Limit new or existing sources of exterior lighting and reflective materials to the minimum amount necessary for public safety, navigation, and operations. All overhead lighting fixtures shall be fully shielded and directed downward to prevent light pollution. Exterior lighting should use the lowest wattage necessary for the application. Lighting should use yellow spectrum luminaires, such as low-pressure sodium or narrow band amber Light-Emitting Diode (LED) and avoid bright white light sources. Guideline RES 11.3: Install and maintain landscaping to enhance scenic views into and from KBSRA, and as a method for screening existing or planned buildings and infrastructure. Landscape design shall comply with the following guidelines: Use TRPA recommended list for native and adapted plant species. 		parking lot and beach on the west side of KBSRA to minimize new obstructions to views of Lake Tahoe from the main vehicular entry (Viewpoint 5) and from Scenic Resource 20-5, located on SR 28 directly north of the proposed shade structures. The structures will be redesigned as unshaded picnic sites. The redesigned structures will include no permanent roofs, walls, posts, or other structural elements that extend above four feet in height.	

Resources Topics/Impacts	Guidelines that Address Resource Impacts	Level of Significance before Mitigation (by Alternative)	Mitigation Measures	Level of Significance after Mitigation (by Alternative)
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	 Non-native plants may be used as accent plantings but are restricted to borders, entryways, flower beds, and other similar locations. Use locally native species where feasible. Existing trees and natural features should be preserved and incorporated into landscape improvements Incorporate water conservation measures into the landscape. Water conservation measures could include the use of drought tolerant plants, low volume irrigation, mulch layer over landscape beds (but not large exposed tree roots) to slow evaporation, and soil amendment with compost and clay to increase water retention. Guideline RES 11.4: Install and maintain signage to provide adequate public information in a manner that does not detract from the aesthetics or the scoric guality of the park. Signage 	3 — Signincan		
	 should comply with the following guidelines, where feasible: Consolidate signage onto kiosks or similar structures to avoid visual clutter. 			
	 Signs should be dark brown or other earth-tones and avoid reflective materials. 			
	 Coordinate wayfinding signage with local and regional agencies to establish a consistent visual 			

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	character.				



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Contact

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MEMORANDUM

Date:June 6, 2018To:TRPA Advisory Planning CommissionFrom:TRPA StaffSubject:Development Rights Strategic Initiative Status Report

Requested Action:

No action is required. This is an informational item intended to provide the Advisory Planning Commission (APC) a status report and opportunity for input on the recommendations.

Background:

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 helping to meet the Lake Tahoe Regional Plan Goals. The Governing Board approved a Work Program and appointed a Working Group for the initiative. The APC recommended, and the Governing Board approved, local government staff members from El Dorado and Placer counties as their representatives to the Working Group.

The recommendations selected by the Working Group include:

- (1) establish exchange rates between commercial floor area (CFA), tourist accommodation units (TAU), and residential units of use (RUU);
- (2) eliminate local jurisdictional approval of development right transfers;
- (3) partner with local land banks in their efforts to increase the supply of development rights and accelerate the goals of the Lake Tahoe Regional Plan;
- (4) implement process improvements to streamline the development right system (including banking and transfer activities) and make the system more user-friendly; and,
- (5) expand eligibility criteria for residential bonus units to encourage "achievable" housing.

The approval and adoption of the recommendations (including any necessary Regional Plan and Code of Ordinance amendments) and the expanded Initial Environmental Checklist (IEC) is scheduled for TRPA Advisory Planning Commission (APC) September 12, Regional Plan Implementation Committee (RPIC) September 26, and the Governing Board October 24, 2018.

Staff will present more detail on the recommendations and schedule at your June 13 meeting.

Contact Information:

If you have questions regarding this item, please contact Jennifer Self, Senior Planner, at (775) 589-5261 or <u>iself@trpa.org</u>, or John Hester, Chief Operating Officer, at (775) 589-5219 or <u>ihester@trpa.org</u>.

Strategic Initiatives Monthly Status Report

May 2018

Strategic Initiative	Status		
1. Development	Recent Milestones Reached:		
Rights	1. Technical Code Team (TCT) prepared draft code for exchange rates,		
	eliminating local jurisdictional transfer approval, and transfer/banking		
	process improvements (severing from the sending site). The TCT also		
	identified specific topics related to the draft code provisions for DRWG		
	clarification.		
	2. Prepared response to questions from Attorney General's Office		
	Development Rights Working Group (DRWG) member and made slight		
	changes/improvements to the proposed recommendations as a result.		
	3. Prepared recommendations for May DRWG meeting including providing		
	support for expanded land bank capabilities to implement the Regional		
	Plan and raising the income levels at which bonus units and allocations can		
	be used to support local achievable housing.		
	Upcoming Milestones:		
	1. TCT to prepare final draft will be presented to the DDWC in August for		
	recommendation to the Advisory Planning Commission (APC). Regional		
	Plan Implementation Committee (RPIC) and Governing Board (GB)		
	2. Staff and consultants to prepare IEC for DRWG consideration and		
	recommendation to the APC. RPIC. and GB in August.		
	3. Staff and consultants to prepare and present final package of Plan and		
	Code amendments. IEC. and other related items for formal public hearing		
	and approval process through the APC, RPIC, and GB during September		
	through November.		
2. Shoreline	Recent Milestones Reached:		
	1. TRPA staff presented summary of draft code amendments-RPIC approved		
	release of draft amendments for public review		
	2. Shoreline Plan Public Review Draft EIS and Draft Code Amendments		
	Complete		
	3. 60-day public comment period May 8-July 9		
	Upcoming Milestones:		
	1. RPIC Code Workshop-May 22		
	2. GB Hearing on Draft EIS-May 23		
	3. APC Hearing on Drait EIS-June 13		
2 Transportation	4. Public Workshops -Julie 4 & Julie 6		
5. Transportation	1 Released Regional Grant Program Cycle 2 recommendations: all 12 eligible		
	applications were awarded funding totaling over \$6.6 million		
	2. Development of the draft 2019 FTIP: drafting narrative section		
	3. Onboarded new Travel Management Coordinator, Rich Loonev		
	4. Final Safety Plan Recommendations for crash data collection and design		
	volumes, drafting MOU and Charter, and began one-on one meeting with		
	State DOTs.		

	5. Design and mockup completed for refresh of Linking Tahoe web page,		
	highlighting all Tahoe Transportation Options		
	6. Travel Survey – Finalized schedule for our summer travel survey		
	7. Published transportation data (Bicycle & Pedestrian, Transit ridership, and		
	Traffic volumes) to LT-Info		
	(https://transportation.laketahoeinfo.org/MeasuresDashboard/Index)		
	Upcoming Milestones:		
	1. Participate in US 50 Recreation Travel Hot Spot Transportation Management Study		
	2. Supporting Bi-State Transportation Consultation working group		
	3. Regional Grant Program Cycle 2 Programming of Projects		
	4. Release RFP for assistance on development of Performance Based Planning within the Transportation Program		
	5. Identify top 8 priority locations for HSIP grant production and work towards		
	alignment for MOU and Charter		
	6. Prepare to launch linkingtanoe.com and brochure in early June.		
	7. Development of the draft 2019 FTIP; project update		
	8. 2017 FTIP administrative modification; funding update		
	live data to LT-Info.		
4. Forest Ecosystem	Recent Milestones Reached:		
Health	1. New Forest Ecosystem Health Program Manager (Christina Restaino)		
	Upcoming Milestones:		
	1. The LTW Science Team will complete modeling of varied future scenarios to		
	inform management strategies for Tahoe's west shore.		
	2. TRPA Forest Ecosystem Health Program Manager has begun the		
	collaborative effort to develop new vegetation thresholds.		
5. Stormwater	Recent Milestones Reached:		
Management	1. TRPA Stormwater Program Manager Shay Navarro, participated in a peer-to-		
Operations and	peer learning exchange in Washington, DC with other government		
Maintenance	stormwater professionals April 29-May 3. Topics addressed included green		
	stormwater infrastructure, nature-based solutions, funding and		
	maintenance.		
	Upcoming Milestones:		
	1. May CA Integrated Regional Watershed Management meeting to review		
	rate and rank current round of funding requests, including TRPA's project.		
	2. June Tahoe RCD meeting scheduled to discuss possible strategies and next		
	steps for securing dedicated stormwater funding.		
	3. August NDEP 319h grant application funding from the Nevada Division of		
	Environmental Protection.		
6. Aquatic Invasive	Recent Milestones Reached:		
Species Control	1. Can now invoice against US Army Corps Agreement for \$1.3M.		
•	2. TRPA made the determination that the Tahoe Keys proposal will need		
	additional analysis and that an EIS is necessary.		
	Upcoming Milestones:		
	1. TRPA and USFWS have been making progress on finalizing the AIS funds		
	within LTRA		
	2. TRPA and Tahoe RCD will be working on a joint RFP to allow both entities to choose from an approved vendor list for control work.		
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7. Thresholds	Recent Milestones Reached:		
Update	 April 2018 - Stakeholders working group recommends bringing the proposed reorganization and non-policy technical corrections of the threshold standards (resolution 82-11) to the APC. May 2018 – APC recommends bringing the proposed reorganization and non-policy technical corrections of the threshold standards (resolution 82- 		
	11) to the GB.		
	 May 2018 – Science Advisory Council completed Topic Briefs on the environmental impacts of recreation 		
	Upcoming Milestones:		
	 May 2018 – GB consideration of the proposed reorganization and non-policy technical corrections of the threshold standards (resolution 82-11) 		
	2. May 2018 – Sustainable recreation workshop		
	 June 2018 - Stakeholders working group consideration of threshold standard system structure and vegetation preservation standards 		