
TRPA Regional Plan Update

Water Quality Goals, Policies, and Implementation Strategies

January 27, 2010

Alternative 1	WQ-1
Alternative 2	WQ-2
Alternative 3	WQ-65
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Alternative 1 – Water Quality Goals, Policies, and Implementation Strategies

Alternative 1 -- WATER QUALITY (no changes proposed)										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
1.8.6 Water Quality/ T. Hagan	WQ.DC-1 LAKE TAHOE CLARITY - Restore and then maintain the waters of Lake Tahoe for the purposes of human enjoyment and preservation of its ecological status as one of the few large, deepwater, ultraoligotrophic lakes in the world with unique transparency, color and clarity.	WQ1 REDUCE LOADS OF SEDIMENT AND ALGAL NUTRIENTS TO LAKE TAHOE; MEET SEDIMENT AND NUTRIENT OBJECTIVES FOR TRIBUTARY STREAMS, SURFACE RUNOFF, AND SUB-SURFACE RUNOFF, AND RESTORE 80 PERCENT OF THE DISTURBED LANDS.	WQ-1 RESTORE AND MAINTAIN THE WATER QUALITY OF LAKE TAHOE FOR THE PURPOSES OF HUMAN ENJOYMENT AND TO PRESERVE ITS ECOLOGICAL STATUS AS ONE OF THE FEW LARGE, DEEPWATER, ULTRAOLIGOTROPHIC LAKES IN THE WORLD. RESTORE AND MAINTAIN LAKE TAHOE'S UNIQUE TRANSPARENCY, COLOR AND CLARITY.	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency (Clarity). TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal # 1 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated	NONE	NONE		N/A	W. Q. Goal 1 Implementation Measure: Amend language in the Goals and Policies Document of TRPA's Regional Plan

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					principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.					
1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ1	WQ-1	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency (Clarity). TRPA agreed to use Pathway	WQ1.1 DISCHARGE OF MUNICIPAL OR INDUSTRIAL WASTEWATER TO LAKE TAHOE, ITS TRIBUTARIES, OR THE GROUNDWATERS OF THE TAHOE REGION IS PROHIBITED, EXCEPT FOR EXISTING DEVELOPMENT OPERATING UNDER APPROVED ALTERNATIVE PLANS FOR WASTEWATER DISPOSAL, AND	WQ-1.1 DISCHARGE OF MUNICIPAL OR INDUSTRIAL WASTEWATER TO THE SURFACE OR GROUND WATERS OF THE LAKE TAHOE REGION IS PROHIBITED, EXCEPT FOR EXISTING DEVELOPMENT OPERATING UNDER APPROVED ALTERNATIVE PLANS FOR WASTEWATER DISPOSAL AND CATASTROPHIC WILDFIRE PROTECTION.	A	This policy establishes the regulatory expectations for facilities and operations involved with sewage effluent transport out of the Tahoe Basin (consistent with the Porter Cologne Water Quality Control Act). This policy is associated with restoring Lake Tahoe's transparency and clarity as represented in	WQ.IMP-1 Staff Recommendation for Amending the Code of Ordinances: Amend language in Water Quality Control Chapter. Focus change in Applicability, Discharge Limits, Prohibition of Wastewater Discharge and Prohibition of Toxic or Hazardous Waste Discharge sections.

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					recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal # 1 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.	CATASTROPHIC WILDFIRE PREOTECTION TO PREVENT THE IMMIDENT DESTRUCTION OF THE STPUD LUTHER PASS PUMP STATION.			Desired Conditions statement 1 and the current W.Q.Goal 1. The retrofitting and upgrading of sewage pump-out facilities will be targeted by the County Public Works and Utility infrastructure maintenance programs. This policy focuses on protecting public health and reducing loads of total nitrogen and phosphorus.	

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1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ1	WQ-1	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency (Clarity). TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal # 1 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to	WQ1.2 ALL PERSONS WHO OWN LAND AND ALL PUBLIC AGENCIES WHICH MANAGE PUBLIC LANDS IN THE LAKE TAHOE REGION SHALL PUT BEST MANAGEMENT PRACTICES (BMPs) IN PLACE; MAINTAIN THEIR BMPs; PROTECT VEGETATION ON THEIR LAND FROM UNNECESSARY DAMAGE; AND RESTORE THE DISTURBED SOILS ON THEIR LAND.	WQ-1.2 ALL PERSONS WHO OWN LAND AND ALL AGENCIES WHICH MANAGE PUBLIC LANDS IN THE LAKE TAHOE REGION WILL IMPLEMENT BEST MANAGEMENT PRACTICES (BMPs) THAT ARE CONSISTENT WITH CURRENT DEFENSIBLE SPACE REQUIREMENTS. ALL BMPs MUST BE FUNCTIONALLY MAINTAINED TO REDUCE TMDL POLLUTANT AND NUTRIENT LOADS. MAINTAINANCE INCLUDES PROTECTING VEGETATION AND SOIL FROM UNNECESSARY DISTURBANCE.	A	This amended Policy articulates TRPA's commitment to lead the technical reconciliation for Source and Hydrologic Control BMPs with current Defensible Space requirements in order to integrate the priority for Public Safety. This policy guides the design requirements for BMPs for both retrofit and new permitting. TRPA fully supports the concurrent implementation of both defensible space measures and erosion and sediment controls. TRPA supports both programs so they can succeed in their mutual programmatic objectives.	WQ.IMP-2 Staff Recommendation for Amending the Code of Ordinances: Amend language in Best Management Requirements Chapter. Focus change in Applicability, Project Compliance Program, Standard BMP Requirements, Additional Requirements, Special Circumstances and Maintenance of BMPs Sections: particular attention to Temporary BMPs, Permanent BMPs, Discharge Permits and Alternative Residential Program subsections. Nexus Language required to link the Water Quality Control Chapter with the Best Management Practices chapter with focus on the updated Discharge Limits section connection to the 1 inch per hour stormwater runoff volume. WQ.IMP-3 Continue to develop the 3rd Edition of the BMP Handbook to provide clear technical guidance on BMP maintenance consistent with Water Quality subelement and threshold findings

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					guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.					and Defensible Space measures as required in the Code of Ordinances and by the Rapid Assessment Methodology (RAM) evaluation protocol for the Lake Clarity Crediting System.
1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ-1	WQ-1	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency (Clarity). TRPA agreed to use Pathway recommended Desired	WQ1.3 APPLICATION OF BMPS TO PROJECTS SHALL BE REQUIRED AS A CONDITION OF APPROVAL FOR ALL PROJECTS.	WQ-1.3 IMPLEMENTATION AND MAINTENANCE OF TEMPORARY AND PERMANENT BMPS WILL BE REQUIRED AS A CONDITION OF APPROVAL FOR PERMITTING NEW PROJECTS. ALTERNATIVELY, AREA-WIDE SOLUTIONS THAT ACHIEVE WATER QUALITY TREATMENT MAY INCLUDE IRREVOCABLE COMMITMENTS FOR COMPREHENSIVE MULTI-PARCEL PARTICIPATION AND LONG TERM MAINTENANCE WILL BE	A	This amended policy identifies the permitting of new projects as an appropriate and opportune time for requiring the implementation of both temporary and permanent BMPs. This policy also emphasizes the requirement of maintaining those BMPs for the life of the project. Additionally, this amended policy provides an alternative multi-parcel	WQ.IMP-4 Staff Recommendation for Amending the Code of Ordinances: Amend language in Best Management Requirements chapter. Focus change in Applicability, Project Compliance Program, Standard BMP Requirements, Additional Requirements, Special Circumstances and Maintenance of BMPs sections. Particular attention will be given to the Temporary BMPs, Permanent BMPs, Discharge Permits and Alternative Residential

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					Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal # 1 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.		ELIGIBLE FOR MEETING BMP PROGRAM REQUIREMENTS.		cooperative solution for achieving BMP program compliance through area-wide water quality treatment; particularly for environmentally constrained project areas and parcels.	Program subsections. WQ.IMP-5 Continue to support the funding for the Erosion Control Team as a critical implementation program to achieve Water Quality threshold and policy objectives. Assist in securing continued long term funding for current BMP Retrofit Program and seriously explore Budget Change Proposal (BCP) process to include (request and propose) permanent program funding as a line item in TRPA's general fund. (and not rely on federal 319h grant funds and state proposition grant funds to continue supporting the BMP program). WQ.IMP-6 Continue to develop the 3rd Edition of the BMP Handbook to provide clear technical guidance on BMP maintenance consistent with Water Quality Threshold findings identified in the Code of Ordinances and the new Rapid Assessment Methodology (RAM) evaluation protocol for the Lake Clarity Crediting System.

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										WQ.IMP-7 TRPA staff will work with SQWIC to update the Project Delivery Process (PDP) for conducting the Existing Conditions Analysis (ECAM) and the Formulation and Evaluation of Alternatives (FEA) procedures to better capture and evaluate opportunities for areawide stormwater treatment that include the private parcel infill in the project design.
1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ-1	WQ-1	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency (Clarity). TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal	WQ1.4 RESTORE AT LEAST 80 PERCENT OF THE DISTURBED LANDS WITHIN THE REGION.	WQ-1.4 RESTORE THE NATIVE VEGETATION AND THE NATURAL HYDROLOGIC FUNCTION OF THE SOIL TO AT LEAST 80 PERCENT OF THE DISTURBED PUBLIC LANDS WITHIN THE TAHOE REGION.	A	This policy has been modified to reflect contemporary restoration principles and TRPA's restoration crediting program objectives. These program objectives represent the projected state of affairs the agency plans to achieve improvements in water quality by continuing to support the value of SEZ, Wetland and Riverine Floodplain restoration. TPRA will be the agency that awards and incentivizes the	WQ.IMP-7 Staff Recommendation for Amending the Code of Ordinances: Amend Land Coverage Standards Environmental improvement Program and the Water Quality Mitigation chapters. Focus change in Water Quality Mitigation chapter in Applicability, Required Offsets, Exemptions, Use and Distribution of Mitigation Funds sections; with particular attention given to the Mitigation Projects subsection. For the Environmental Improvement Program chapter the focus will be on the EIP Relationship to other Plans section with

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					statements. Proposed language for new W.Q. Goal # 1 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.				water quality benefits (actually multi-threshold benefits) that restoration actions in the TMDL Stream Channel Source Category and the Forest Upland Source Category contribute to reducing impacts on surface water quality. This amended policy directs restoration programs and project actions to achieve the true recovery of ecosystem services based on accepted restoration criteria for reestablishing native vegetation, soil and hydrologic function. This policy also provides a quantified target for the amount of restoration that will positively contribute to the attainment of the clarity challenge goal even though these efforts are not part of the Urban Upland Clarity Crediting	particular attention given to Mitigation Fees and Relationship to the 208 Water Quality Plan subsections. For the Land Coverage Standards chapter focus change in the Manner of Transferring Land Coverage, Prohibition of Additional Land Coverage in Land Capability Districts 1a, 1c, 2, 3 and 1b (Stream Environment Zones) and Land Coverage Requirements for Redevelopment Projects sections. Particular attention will be given to the Restoration and Retirement of Land Coverage and Restoration Requirements subsections and Removal of Land Coverage for Credit subparagraph. Nexus language may be required by amending the Transfer of Development chapter with focus on the Restriction of Parcels section. Nexus language will be required by amending the Definitions chapter. WQ.IMP-8 This

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									<p>programs of Lahonton W.Q.C.B. and NDEP. Proper restoration of disturbed lands creates an opportunity for self sustaining systems that over-time provide reliable services and long term returns for the financial investment incurred.</p>	<p>proposed policy may require TRPA staff to participate in the development of jurisdictional Stormwater Management Plans or Stormwater Load Reduction Plans to assist county and state staff in addressing this objective. This proposed policy will require continued EIP program emphasis and funding. This proposed policy will require continued inter-agency collaboration with state funding and project implementing agencies such as California Tahoe Conservancy and Nevada State Lands (among others) . TRPA will need to closely evaluate it's restoration crediting program for incentivizing the successful implementation of these directives.</p>

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1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ-1	WQ-1	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency (Clarity). TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal # 1 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to	WQ1.5 UNITS OF LOCAL GOVERNMENT, STATE TRANSPORTATION DEPARTMENTS, AND OTHER IMPLEMENTING AGENCIES SHALL RESTORE 25 PERCENT OF THE SEZ LANDS THAT HAVE BEEN DISTURBED, DEVELOPED, OR SUBDIVIDED IN ACCORDANCE WITH THE CAPITAL IMPROVEMENTS PROGRAM (PART II).	WQ-1.5 LOCAL GOVERNMENTS, STATE TRANSPORTATION DEPARTMENTS AND OTHER IMPLEMENTING AGENCIES WILL RESTORE THE HYDROLOGIC FUNCTION OF SEZ's THAT HAVE BEEN DISTURBED, DEVELOPED, OR SUBDIVIDED IN ACCORDANCE WITH THE SEZ THRESHOLD AND ENVIRONMENTAL IMPROVEMENT PROGRAM'S GOALS.	A	The preservation and restoration of naturally-functioning Stream Environment Zones is an essential part of the Water Quality Subelement.It is well documented that intact and functioning Stream Environment Zones have many beneficial effects on water quality. The development of Stream Environment Zones in the Tahoe Basin has adversely affected water quality; in many cases permanently. Stream Environment Zone restoration is known to be a comparatively cost-effective action for improving water quality. This policy is consistent with the high-priority the EIP places on the Stream Restoration program. Minor change to this	WQ.IMP-9 Staff Recommendation for Amending the Code of Ordinances: Amend Land Coverage Standards, Environmental Improvement Program and Water Quality Mitigation Chapters. Focus change in the Water Quality Mitigation Chapter in the Applicability, Required Offsets, Exemptions, Use and Distribution Of Mitigation Funds and Stream Zone Restoration Program Sections; with particular attention to the Mitigation Projects subsection. For the Environmental Improvement Program chapter the focus will be on the EIP Relationship to other Plans section with particular attention given to the Mitigation Fees and Relationship to the 208 Water Quality Plan subsections. For the Land Coverage Standards Chapter the change will be focused in the Manner of Transferring Land Coverage, Prohibition of Additional Land Coverage in Land Capability Districts 1a,

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					guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.				policy was requested from state transportation departments. Comments recieved to date have stated that the SEZ lands must be under their control in order to propose and sponsor this type of restoration action. This Policy will require detailing the enhanced incentives potentially available to eligible PTOD's and CPs (for mixed use redevelopment) when successful SEZ restoration demonstrates "above and beyond" environmental benefits.	1c, 2, 3 and 1b (Stream Environment Zones) and Land Coverage Requirements for Redevelopment Projects sections. Particular attention will be given to the Restoration and Retirement of Land Coverage and Restoration Requirements subsections and Removal of Land Coverage for Credit subparagraph. A consistency nexus may be required by amending the Transfer of Development Chapter with focus on the Restriction of Parcels section and the Transfer of All Existing Development from Sensitive Lands subparagraph.
1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ-1	WQ-1	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation	WQ1.6 THE USE OF FERTILIZER WITHIN THE TAHOE REGION SHALL BE RESTRICTED TO USES, AREAS, AND PRACTICES IDENTIFIED IN THE HANDBOOK OF BEST MANAGEMENT PRACTICES.	WQ-1.6 PERMIT FERTILIZER, PESTICIDE AND HERBICIDE USE ONLY WHEN GUIDED BY APPROVED INTEGRATED MANAGEMENT PLANS.	A	This policy is intended to control and reduce the impact from fertilizer in sensitive areas, stormwater runoff and groundwater. One of Lake Tahoe's primary water quality problems is the	WQ.IMP-10 Staff Recommendation for Amending the Code of Ordinances: Amend Water Quality Control Chapter to specify the limitations and requirements that must be developed and included in an integrated management plan

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					of the Desired Condition for recovering Lake Transparency (Clarity). TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal # 1 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency	FERTILIZERS SHALL NOT BE USED IN OR NEAR STREAM AND DRAINAGE CHANNELS, OR IN STREAM ENVIRONMENT ZONES, INCLUDING SETBACKS, AND IN SHOREZONE AREAS. FERTILIZER USE FOR MAINTENANCE OF PREEXISTING LANDSCAPING SHALL BE MINIMIZED IN STREAM ENVIRONMENT ZONES AND ADJUSTED OR PROHIBITED IF FOUND, THROUGH EVALUATION OF CONTINUING MONITORING RESULTS, TO BE IN VIOLATION OF APPLICABLE WATER QUALITY DISCHARGE AND RECEIVING WATER STANDARDS.			imbalance in the Lake's nutrient budget. Consequently, controlling the use of artificial fertilizers is an essential component of TRPA's water quality program. Nitrogen and phosphorus load reduction requirements have been identified in the Lake Tahoe TMDL, Pollution Control Opportunities Report. These load reduction objectives will require more stringent controls and restrictions on fertilizer use in order to reduce nitrogen and phosphorus loads to surface and ground waters. The details of fertilizer management plans will be also updated in the 3rd Edition of The Handbook of Best Management Practices (Water Quality Management Plan for the Lake	(Pesticide Use and Fertilizer Management sections). Amend Best Management Practices Requirements Chapter with focus on Additional Requirements, Special Circumstances and Maintenance of BMPs sections. WQ.IMP-11 Continue to develop the 3rd Edition of the BMP Handbook to provide clear technical guidance on the BMP requirements for developing acceptable Fertilizer and Pesticide Application Management Plans that are consistent with Water Quality subelement and threshold findings as required in the Code of Ordinances.

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					statements that establish the guidelines for implementation based on the parameters for official decision making.				Tahoe Region, Volume II, November 1988). Pesticide and Herbicide use in the Lake Tahoe Basin is rather minimal but these chemical control substances are often classified by the EPA as persistent contaminants for soil and water resources. Their use will also be addressed and updated in the Pesticide Use section of the Water Quality Control Chapter. If a public lands manager or property owner declares that they will not require using onre of the following (fertilizer, herbicide or pesticides) in their operations then that element (chapter) of the integrated management plan may not need to be developed.	

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1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ-1	WQ-1	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency (Clarity). TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal # 1 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to	NONE	(As represented in the beginning of this matrix, this particular Policy tiers off of the need to redress the W.Q. Thresholds Pelagic Numerical and Management Standards.) POLICY WQ-1.7: ADOPT TMDL LOAD ALLOCATIONS, INTERIM TARGETS AND MILESTONES FOR REDUCING FINE SEDIMENT, TOTAL NITROGEN AND TOTAL PHOSPHOROUS AS THE PRIMARY MANAGEMENT STANDARDS FOR ACHIEVING THE LAKE TAHOE CLARITY CHALLENGE AND IMPROVING WATER QUALITY. ALL PROJECTS WILL BE PERMITTED UNDER TMDL LOAD REDUCTION FINDINGS WHEN APPLICABLE. ALL OTHER PROJECTS WILL BE PERMITTED UNDER UPDATED CONCENTRATION DISCHARGE STANDARDS AS THEY RELATE TO THE STORMWATER RUNOFF VOLUME GENERATED BY THE ONE INCH PER HOUR STORM.	A	The Water Quality findings for permitting projects and actions will be amended to be consistent with the new TMDL program and standards; when and where applicable. (as represented in the CA SWMPs or NV Stormwater Load Reduction Plans or functional equivalent). Other private parcels not identified in the jurisdictions prioritized catchment stormwater strategies will be permitted under the updated concentration discharge standards as they relate to the volume of stormwater runoff generated by the one inch per hour storm. (as calculated for the project area or parcel).	WQ.IMP-11 Staff Recommendation for Amending the Code of Ordinances: Amend the Water Quality Control Chapter with focus on the Discharge Limits Section. Amend the Grading Standards Chapter with focus on the Discharge Prohibitions Section. Consistency nexus will be required for the BMP Requirements Chapter in the Standard BMP Requirements and Maintenance of BMPS sections; focusing on the Runoff Water subsection and Infiltration and Excess Runoff subparagraphs.

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
					guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.					
1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ-1	WQ-1	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency (Clarity). TRPA agreed to use Pathway recommended Desired	NONE	WQ-1.8 STATE AND LOCAL JURISDICTIONS MUST DEVELOP, ADOPT AND IMPLEMENT STORMWATER MANAGEMENT PLANS, STORMWATER LOAD REDUCTION PLANS OR A FUNCTIONAL EQUIVALENT TO GUIDE THE IMPLEMENTATION OF CAPITAL PROJECTS AND OPERATIONS AND MAINTENANCE ACTIVITIES. THESE PLANS MUST IDENTIFY HOW LOADS OF FINE SEDIMENT, NITROGEN AND PHOSPHORUS WILL BE REDUCED BY IMPLEMENTING ADVANCED POLLUTION	N	CA Stormwater Management Plans (SWMP's) and NV Stormwater Load Reduction Plans (SLRPs) will be required to meet the Clarity Challenge and satisfy the preceding direction from proposed Water Quality Policy 1.7. These documents will be developed and implemented by the jurisdictions to provide a comprehensive framework for	WQ.IMP-12 Staff Recommendation for Amending the Code of Ordinances: Amend the Water Quality Control chapter to include the requirement for developing and adopting SWMP's SLRP's. These amendments will also require that these documents identify the commitments for TMDL pollutant load reduction. with focus on the Applicability and Discharge Limits sections. Amend the Grading Standards chapter with focus on the Discharge

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					Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal # 1 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.		CONTROL MEASURES IN URBAN DISTRICTS, ALONG ROADS AND HIGHWAYS AND IN AREAS OF CONCENTRATED IMPERVIOUS COVERAGE.		stormwater management. These stormwater management plans and stormwater load reduction plans will focus activities and improvements on the county's urban districts, primary and secondary roads, highways and areas of concentrated impervious coverage. This policy is designed to require more precise programmatic commitments beyond what is currently required by the BMP new permitting and retrofit programs. These documents will identify stormwater operational management, the mapping and inventorying of physical stormwater facilities and assets, the articulation of prioritized load reduction strategies and	Prohibitions section. Consistency nexus will be required in the Grading and Construction Schedule chapter with focus on the Grading and Construction Schedule section. Additional consistency nexus will be required for the BMP Requirements chapter in the Project Compliance Program, Standard BMP Requirements and Maintenance of BMPS sections. Consider consistency language in the Environmental Improvement Program chapter with focus on the EIP Relationship to Other Plan Provisions section. Consider consistency language in the Allocation of Development chapter with focus on the Distribution and Administration of Residential Allocations section and Water Quality Improvement subsection.

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
									actions by registered catchment and a description of how the jurisdictions will integrate with state roadway-EIP projects. These documents may also be required to identify the short and long term funding sources for financing program commitments This may include analyzing the feasibility of developing Stormwater Management Districts, Stormwater Cooperatives, Special Tax Assessment Districts or some other stable funding strategy. CA Stormwater Management Plans (SWMP's) and NV Stormwater Load Reduction Plans (SLRPs) are critical documents that identify capital improvements and programmatic	

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Alternative 2 -- WATER QUALITY										
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									<p>commitments for advanced operations and maintenance activities by prioritized catchment consistent with the TMDL Implementation Plan and the Clean Water Act's NPDES program.</p> <p>After a specified phase-in period, local and county EIP water quality roadway projects and those projects, other than single family residential, that require allocations for new development, will be permitted only when a jurisdictional SWMP, SLRP or functional equivalent has been developed and adopted. The SWMP, SLRP or functional equivalent must identify and prioritize opportunities for area-wide stormwater treatment as a condition of being</p>	

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

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									included on the Environmental Improvement Program's 5 year project list for the stormwater management program. Forest operations and fuels reduction projects on federal lands would not be subject to this provision.	
1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ-1	WQ-1	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency (Clarity). TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed	NONE	WQ-1.9 REQUIRE ROADWAY OPERATIONS AND MAINTENANCE PROGRAMS TO EMPLOY ADVANCED CONTROL MEASURES TO REDUCE FINE PARTICULATE FROM SUSPENDED ROAD DUST AND SURFACE RUNOFF. THESE MEASURES MUST INCLUDE BUT ARE NOT LIMITED TO: EMPLOYING ALTERNATIVE ROAD PAVING MATERIALS, REDUCING THE USE OF ROAD ABRASIVES AND IMPLEMENTING MORE EFFICIENT ROAD SWEEPING PROGRAMS AND TECHNOLOGY. STORE ROAD SALT IN CONTAINED FACILITIES TO PREVENT OFF-SITE DISCHARGE.	N	Current policies have proven inadequate and do not address the full range of paved roadway maintenance issues needed to reduce water quality impacts. This programmatic recommendation is emphasized and consistent with the recommendations of the TMDL and IWQMSR. In order to meet the Clarity Challenge this policy emphasizes focused improvement through enhanced and innovative road maintenance	WQ.IMIP-13 Staff Recommendation for Amending the Code of Ordinances: Amend the Water Quality Control chapter with focus on the Applicability and Discharge Limits sections. Amend the BMP Requirements Chapter in the Project Compliance Program, Standard BMP Requirements and Additional Requirements and Maintenance of BMPS sections. Consider nexus language in the Environmental Improvement Program chapter with focus on the EIP Relationship to Other Plan Provisions section and particular attention given to the Mitigation Fees and Relationship to the

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
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					language for new W.Q. Goal # 1 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.				activities. This policy establishes a priority to reduce loads of fine sediment and other pollutants that are generated from paved roadways by encouraging alternative stormwater operations and maintenance actions.	208 Water Quality Plan subsections. Consider nexus language in the Allocation of Development chapter with focus on the Distribution and Administration of Residential Allocations section and Water Quality Improvement subsection.

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
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1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ-1	WQ-1	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency (Clarity). TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal # 1 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to	NONE	WQ-1.10 REDUCE AIRBORNE LOADS OF FINE PARTICULATES FROM SUSPENDED DUST FROM UNPAVED ROADS AND CONSTRUCTION SITES. REDUCE FINE SEDIMENT LOADS GENERATED BY STORMWATER RUNOFF FROM UNPAVED ROADS AND CONSTRUCTION SITES.	N	Installation and maintenance of BMPs on unpaved roads and active construction sites is required to reduce airborne dust and the atmospheric deposition of fine sediment particles to surface water bodies, (where they contribute to impairing clarity). Controlling stormwater runoff with high loads of fine sediment is also emphasized for these two settings. Appropriate permanent and temporary BMPs will be applied to unpaved forest and seasonal roads as well as construction sites in order to limit the suspension and re-suspension of fugitive airborne dust. Equally important is the ability of the BMPs to contain and capture fine particle loads in stormwater	WQ.IMP-14 Staff Recommendation for Amending the Code of Ordinances: Amend the Water Quality Control chapter with focus on the Applicability and Discharge Limits sections. Amend the Grading Standards chapter with focus on the Seasonal Limitations, Dust Control and Discharge Prohibitions sections with particular attention being given to the Winterization subsection. Consistency nexus will be required in the Grading and Construction Schedule chapter with focus on the Grading and Construction Schedule section. Additional nexus language will be required for the BMP Requirements chapter in the Project Compliance Program, Standard BMP Requirements and Maintenance of BMPS sections. Consider nexus language in the Environmental Improvement Program chapter with focus on the EIP Relationship to Other Plan Provisions section. Consider nexus language in the

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
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					guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.				runoff.	Allocation of Development chapter with focus on the Distribution and Administration of Residential Allocations section and Water Quality Improvement subsection. The Code (BMP Requirements chapter) will require new language that provides for requiring Construction or Operational Stormwater Pollution Prevention Plans (SWPPPs) or a functional equivalent for project areas creating disturbance that will be greater than one acre, and comprehensive BMP plans or a functional equivalent for project areas less than one acre as a condition of permitting in order to require more exacting details as to how potential water quality impacts will be prevented, minimized or mitigated in these settings. WQ.IMP-15 Continue to develop the 3rd Edition of the BMP Handbook to provide clear technical guidance on BMP maintenance consistent with Water Quality subelement

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										threshold findings identified in the Code of Ordinances for the retrofitting and appropriate treatment measures for unpaved roads and surfaces. Develop clear guidelines for SWPPP's, comprehensive BMP plans or their functional equivalent.
1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ-1	WQ-1	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency (Clarity). TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal	Policy WQ2.1 (REFER TO BELOW)	WQ-1.11 ALL PERSONS ENGAGING IN SNOW DISPOSAL OPERATIONS ON PUBLIC AND PRIVATE LANDS WILL STORE SNOW IN ACCORDANCE WITH UPDATED BMP DESIGN CRITERIA AND DISPOSAL PRACTICES. STRUCTURAL STORMWATER BMPS THAT WILL BE RELIED ON FOR PROVIDING WINTER SNOW STORAGE MUST BE DESIGNED AND CONSTRUCTED TO PREVENT DISCHARGE OF CONCENTRATED SNOW MELT AND CONTAMINANTS TO SEZS, GROUNDWATER OR SURFACE WATER.	A	The disposal and melting of snow in stormwater BMPs (e.g. stormwater detention or infiltration basins) can result in the concentrated delivery of nutrients, salts, hydrocarbons and heavy metals to the water quality treatment facility (BMP). Additionally, because these facilities are not designed or engineered to sustain or endure repeated snow loading they are often times left damaged and needing of repair. Therefore, physical site criteria, BMP structural design	WQ.IMP-16 Staff Recommendation for Amending the Code of Ordinances: Amend the Water Quality Control chapter with focus on the Applicability and Snow Disposal sections. Amend the Grading Standards chapter with focus on the Discharge Prohibitions and Winterization sections. Additional consistency nexus will be required for the BMP Requirements chapter in the Standard BMP Requirements and Maintenance of BMPS sections. WQ.IMP-17 Continue to develop the 3rd Edition of the BMP Handbook to provide clear technical guidance on BMP design and construction standards

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					# 1 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.				and operational management standards (i.e. maintenance requirements) have been updated to address the use of stormwater BMPs during the winter as snow disposal areas. The engineering requirements for stormwater BMPs used for snow disposal will be detailed in the 3rd edition of the Handbook of Best Management Practices and the Code of Ordinances. Concentrated snow from highways, paved roads and large parking lots contain significant loads of fine particulates, salts and other hydrocarbon contaminants in addition to nitrogen and phosphorus. Salts and hydrocarbon contaminants are known to be deleterious to vegetation and all of these	that are consistent with Water Quality subelement threshold findings identified in the Code of Ordinances regarding the structural and geotechnical requirements for using these stormwater facilities for winter snow storage.

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									constituents are known to be deleterious to water quality.	
1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ-1	WQ-1	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency (Clarity). TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal # 1 states the management	NONE	WQ-1.12 THE TECHNICAL EVALUATION OF FUNCTIONAL PERFORMANCE FOR BEST MANAGEMENT PRACTICES WILL BE ESTABLISHED BY AN APPROPRIATE INTER-AGENCY WATER QUALITY ADVISORY COMMITTEE.	N	A challenge exists today in regulating and treating pollutant and nutrient constituents in urban stormwater runoff. Past policies have sought to control stormwater runoff pollution to the maximum extent practicable (MEP) by implementing Best Management Practices (BMPs). It is US EPA policy that urban stormwater runoff be regulated as a "point source," (under the NPDES program). This requires Best Management Practices to effectively treat or control targeted pollutants in	WQ.IMP-18 Staff Recommendation for Amending the Code of Ordinances: Develop new language in be Best Management Requirements chapter with focus on the Project Compliance Program, Standard BMP Requirements, Special Circumstances and Maintenance of BMPs sections. Amend Water Quality Control chapter with focus on the Applicability and Discharge Limits to require that all BMPs be evaluated based on a functional criteria for BMP performance as TMDL pollutant source controls, hydrologic controls (reducing runoff volumes and velocities), and treatment train or end-point pollutant removal systems. WQ.IMP-19 TRPA staff will need to

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					objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.				stormwater runoff so they do not cause or contribute to violations of water quality standards at the point of discharge. This has led to a need for a BMP ratcheting-down process where the regulatory agencies and the stormwater dischargers must review the performance and effectiveness of those BMPs that are relied on to achieve compliance with water quality standards. BMP functional performance and effectiveness criteria for achieving water quality standards when treating urban stormwater runoff will be conducted by the Stormwater Quality Improvement Committee (SWQIC) or the Regional Stormwater Monitoring Program	facilitate and develop this subcommittee and process through a coordinated inter-agency (Regulatory, Implementing and Funding Agencies) arrangement with RSWMP members and assembled with redundant members from SQWIC.

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

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									(RSWMP) or a functional equivalent Technical Advisory Committee. The cost of stormwater treatment technology will be strongly represented in this review and evaluation process. There are also significant technical questions about the need for this degree of control which is based on not exceeding a worst-case based water quality standard in the stormwater runoff at the point of discharge for a determined hydrologic volume-design storm event. TRPA Water Quality and BMP programs place as a high priority on developing a technically valid, cost-effective process and policy for regulating the urban stormwater runoff effluent on	

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									the beneficial uses of the receiving waters as achieved through Best Management Practices. This Best Management Practices functional assessment and performance criteria is being collaboratively developed for the regional BMP database and the 3rd Edition of the Best Management Practices Handbook, (in cooperation with SQWIC and RSWMP).	
1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ-1	WQ-1	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency (Clarity).	NONE	WQ-1.13 REQUIRE THE IMPLEMENTATION OR FINANCIAL GUARANTEE OF IMPLEMENTATION OF BMPs AT POINT-OF-SALE.	A	The current Regional Plan's Water Quality Threshold Goal 1, Policy 2 has not been successfully implemented as designed and intended. (Approximately 25% compliance for the whole Tahoe basin instead of the 100% compliance as required by the TRPA Goals and Policies and	WQ.IMP-20 Staff Recommendation for Amending the Code of Ordinances: Amend the BMP Requirements chapter in the BMP Retrofit Program section with focus on the Priority System and Disclosure Requirements subsections.

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					TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal # 1 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the				Code of Ordinances). The current policy required the retrofitting of all eligible private and public properties with BMPs by October 15, 2008. BMP Program implementation and compliance was applied by the priority system dates by zone as described in the Best Management Practices Requirements Chapter; specifically the BMP Retrofit Program section. Recent discussions with the EPA and the CA Attorney General's office has indicated that introducing this new regulatory mechanism will assist in accelerating the BMP programs' ability to facilitate basin wide compliance. It was requested that it be developed and advanced as an	

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					parameters for official decision making.				amended policy and new strategy for achieving BMP implementation and maintenance on all properties within the Tahoe Basin, (and ultimately satisfy the TRPA's BMP Program's legal mandate for achieving 100% private parcel compliance). Additionally the TMDL, IWQMSR and the PROR all identify private parcel BMP implementation as a necessary component in achieving the 20 year Lake Tahoe Clarity Challenge.	
1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ-1	WQ-2 (per 1987 Goals and Policies)	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency	NONE	NOW RECOMMENDED TO BE WQ-1.14 THE STANDARDS FOR BACKSHORE BMPs AND SHOREZONE PROTECTIVE STRUCTURES WILL INCLUDE SPECIFIC LITTORAL ANALYSIS, SPECIAL CONSTRUCTION TECHNIQUES, UPDATED ENGINEERING PRACTICES AND SITE SPECIFIC DEVELOPMENT	A	There is an urgent need from the Shorezone EIS to update this existing policy. Sediment and other discharges from shorezone construction or maintenance activities can have an immediate and obvious impact on water clarity and quality in localized areas.	WQ.IMP-21 Staff Recommendation for Amending the Code of Ordinances: Amend all of the Shorezone BMP appendix and develop nexus language to the BMP Requirements chapter in the Applicability, BMP Compliance Program and Standard BMP requirements sections with reference to the Temporary and Permanent BMPs subsections. Consider

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					(Clarity). TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal # 1 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation		CRITERIA.		The replacement or upgrading of Shorezone protective structures will be guided by proper design, analysis, engineering and construction techniques in addition to using appropriate materials and other measures as represented and translated from the current ACOE Coastal Engineering Manual. This updating and application of appropriate coastal planning and engineering techniques and analysis's to apply in the Lake Tahoe shorezone will be required and necessary to mitigate and protect the natural values and water quality of the shorezone. Staff has initiated the funding, research and contract assistance to compile and present this information in the upcoming 3rd	nexus language in the Grading Standards chapter with focus on the Discharge Prohibitions and Disposal of Materials sections. Consider additional consistency language in the Special Information Reports and Plans chapter. Consider updating language in the Definitions chapter. WQ.IMP-22 Continue to develop the 3rd Edition of the BMP Handbook to provide clear technical guidance on the design standards and maintenance requirements for backshore BMPs and shorezone protective structures.

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Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
					based on the parameters for official decision making.				Edition of The Best Management Practices Handbook.	
1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ-1	WQ-1	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency (Clarity). TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal # 1 states the management	NONE	WQ-1.15 PROVIDE INCENTIVES TO LAND ACQUISITION AND BUYOUT PROGRAMS TO PERMANENTLY RETIRE EXCESS COVERAGE.	N	This policy has resulted from years of collaborating and working with state land banks to provide additional financial leverage for permanently retiring excess coverage.	WQ.IMP-23 Staff Recommendation for Amending the Code of Ordinances: Amend the Land Coverage chapter with focus on the Transferred Land Coverage Requirements and Restoration Requirements sections and amend the Water Quality Mitigation chapter with focus on the SEZ Restoration Program section.

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
					objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.					
1.8.6 Water Quality/ T. Hagan	WQ.DC-2: Human & Environmental Health Water quality conditions in the Lake Tahoe basin protect human and environmental health.	WQ-2 REDUCE OR ELIMINATE THE ADDITION OF OTHER POLLUTANTS WHICH AFFECT, OR POTENTIALLY AFFECT, WATER QUALITY IN THE TAHOE BASIN.	GOAL WQ-2 HUMAN & ENVIRONMENTAL HEALTH: WATER QUALITY STANDARDS IN THE LAKE TAHOE REGION MUST BE CONSISTENT WITH THE PROTECTION OF HUMAN AND	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This process	NONE	NONE		NA	W. Q. Goal 2 Implementation Measure: Amend language in the Goals and Policies Document of TRPA's Regional Plan

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

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			ENVIRONMENTAL HEALTH.		resulted in a re-articulation of the Desired Conditions for Lake Tahoe's water quality standards in regards to Human and Environmental Health. In this case, the Pathway effort distinguished the Water Quality Threshold's Goals associated with consumptive, contact and non-contact beneficial uses. TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal 2 states the management objective and it is then followed by individual policies that deliberate the					

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
					plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.					
1.8.6 Water Quality/ T. Hagan	WQ.DC-2	WQ2	WQ-2	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This process resulted in a re-articulation of the Desired Conditions for Lake Tahoe's water quality	WQ2.1 ALL PERSONS ENGAGING IN PUBLIC SNOW DISPOSAL OPERATIONS IN THE TAHOE REGION SHALL DISPOSE OF SNOW IN ACCORDANCE WITH SITE CRITERIA AND MANAGEMENT STANDARDS IN THE HANDBOOK OF BEST PRACTICES.	NOW WQ-1.11 ALL PERSONS ENGAGING IN SNOW DISPOSAL OPERATIONS ON PUBLIC AND PRIVATE LANDS WILL REMOVE SNOW IN ACCORDANCE WITH UPDATED BMP DESIGN CRITERIA AND DISPOSAL PRACTICES. STRUCTURAL BMPs THAT WILL BE RELIED ON FOR WINTER SNOW STORAGE MUST BE DESIGNED AND	A	The current policy is inadequate and does not address the full range of paved surface and road maintenance issues needed be addressed to reduce water quality impacts. The disposal and melting of snow in stormwater BMPs can result in the	WQ.IMP-24 Staff Recommendation for Amending the Code of Ordinances: Amend the Water Quality Control Chapter with focus on the Applicability, Discharge Limits and Snow Disposal sections special attention being given to the Discharges to Surface and Groundwater subsections. Amend the Grading Standards

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					standards in regards to Human and Environmental Health. In this case, the Pathway effort distinguished the Water Quality Threshold's Goals associated with consumptive, contact and non-contact beneficial uses. TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal 2 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to		CONSTRUCTED TO PREVENT DISCHARGE OF CONCENTRATED SNOW MELT AND CONTAMINANTS TO SEZS, GROUNDWATER OR SURFACE WATER.		concentrated delivery of nutrients, hydrocarbons and heavy metals to the stormwater treatment facility (structural BMP). Therefore, site criteria, BMP design and management standards have been updated to address the use of stormwater BMPs during the winter as snow disposal areas. The engineering requirements for stormwater BMPs used for snow disposal will be detailed in the 3rd edition of the Handbook of Best Management Practices and represented in the Code of Ordinances. Concentrated snow from primary roads, highways and large parking lots contain fine sediments, salts and hydrocarbon contaminants in addition to nitrogen and phosphorus; all which are	chapter with focus on the Winterization, Discharge Prohibitions and Excavation Limitations section. Nexus language may be needed in the Groundwater Interception and Excavation subsections. Additional consistency language will be required for the BMP Requirements Chapter in the Standard BMP Requirements and Maintenance of BMPS sections. Consider additional consistency language in the Special Information Reports and Plans chapter with focus on the Subsurface Investigations and Reports section.

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
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					guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.				deleterious to water quality.	
1.8.6 Water Quality/ T. Hagan	WQ.DC-2	WQ2	WQ-2	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This process resulted in a re-articulation of the Desired Conditions for Lake Tahoe's water quality standards in regards to Human and Environmental Health. In this case, the	WQ2.2 DISCHARGES OF SEWAGE TO LAKE TAHOE, ITS TRIBUTARIES, OR THE GROUNDWATER'S OF THE LAKE TAHOE REGION ARE PROHIBITED. SEWAGE COLLECTION, CONVEYANCE AND TREATMENT DISTRICTS SHALL HAVE APPROVED SPILL CONTINGENCY, PREVENTION, AND DETECTION PLANS.	WQ-2.1 PUBLIC AGENCIES WILL UPDATE AND ENHANCE THEIR SPILL CONTINGENCY, PREVENTION AND DETECTION PLANS TO REDUCE THE RISK OF ILLICIT DISCHARGES OF SEWAGE OR WASTEWATER TO SURFACE WATER, GROUNDWATER OR SOIL. THE DISCHARGE OR DISPOSAL OF SOLID WASTES TO THE SURFACE WATER, GROUNDWATER OR SOIL IS PROHIBITED EXCEPT FOR SPECIFIC EMERGENCIES REQUIRING THE PROTECTION OF	A	Threats to Public health and safety, environmental damage and illicit subsurface discharges that violate water quality standards can be caused by failing or antiquated underground sewage and sanitary conveyance systems and infrastructure. This risk will be prevented and minimized by replacing these facilities with best available	WQ.IMP-25 Staff Recommendation for Amending the Code of Ordinances: Amend the Water Quality Control Chapter with focus on the Applicability, Discharge Limits, Prohibition of Wastewater Discharge and Spill Control sections with special attention being given to the Holding tanks and Other No discharge Systems subsections. Consider nexus to the Grading Standards Chapter with focus on the Excavation Limitations Sections; with focus

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					<p>Pathway effort distinguished the Water Quality Threshold's Goals associated with consumptive, contact and non-contact beneficial uses. TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal 2 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes</p>		PUBLIC HEALTH.		<p>technology and updating the readiness of spill, prevention and detection plans. This Policy is mainly focused on Human and Environmental Health and modified to add surface and ground waters and additionally cover inappropriate disposition of trash and soil spoils from grading or BMP maintenance. Land filling or other practices for disposing of solid or toxic wastes can add harmful biological oxygen demand, nutrients, and leaching of hazardous substances to the watershed of Lake Tahoe. Therefore, the control of solid or toxic waste disposal is necessary to protect and enhance water quality. Existing state policies and laws will continue to govern solid</p>	<p>on the Groundwater Interception and Excavation subsections. Consider additional consistency language in the Special Information Reports and Plans chapter with focus on the Subsurface Investigations and Reports section.</p>

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

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					consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.				waste disposal in the Tahoe Region (Porter Cologne). However, questions still remain as to whether this policy should be linked and assigned to the Lake Clarity Goal or to the Human and Environmental Health Goal? Domestic and commercial sewage, wastewater and hazardous waste discharges, regardless of cause, not only contribute unnecessary nutrient and contaminant loads to Lake Tahoe, but also create a risk for public health, (especially through consumptive and contact uses). Accidental discharges will be prevented and / or minimized through reviewing life cycle and risk analysis for system infrastructure,	

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									reviewing design and construction practices and updating the spill contingency, prevention, and detection (monitoring) plans. All agencies which collect or transport sewage or wastewater must update their methods and plans for detecting and correcting exfiltration problems.	
1.8.6 Water Quality/ T. Hagan	WQ.DC-2	WQ2	WQ-2	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This process resulted in a re-articulation of the Desired Conditions for Lake Tahoe's water quality standards in regards to Human and Environmental Health. In this case, the Pathway effort	WQ2.3 ALL INSTITUTIONAL USERS OF ROAD SALT IN THE LAKE TAHOE REGION SHALL KEEP RECORDS SHOWING THE TIME, RATE, AND LOCATION OF SALT APPLICATION. STORAGE OF ROAD SALT SHALL BE IN ACCORDANCE WITH THE HANDBOOK OF BEST MANAGEMENT PRACTICES.	DELETED as separate policy. This objective has been integrated into POLICY WQ-1.9 as proposed above.	D	NA	NA

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					distinguished the Water Quality Threshold's Goals associated with consumptive, contact and non-contact beneficial uses. TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal 2 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with					

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

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					the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.					
1.8.6 Water Quality/ T. Hagan	WQ.DC-2	WQ2	WQ-2	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This process resulted in a re-articulation of the Desired Conditions for Lake Tahoe's water quality standards in regards to Human and Environmental Health. In this case, the Pathway effort distinguished the Water Quality Threshold's Goals associated	WQ2.4 UNDERGROUND STORAGE TANKS FOR SEWAGE, FUEL, OR OTHER POTENTIALLY HARMFUL SUBSTANCES SHALL MEET STANDARDS SET FORTH IN TRPA ORDINANCES AND SHALL BE INSTALLED, MAINTAINED AND MONITORED IN ACCORDANCE WITH THE HANDBOOK OF BEST MANAGEMENT PRACTICES	WQ-2.2 PHASE OUT UNDERGROUND STORAGE TANKS FOR SEWAGE, FUEL, OR OTHER HAZARDOUS OR TOXIC SUBSTANCES WHERE POSSIBLE. WHERE THIS IS NOT POSSIBLE, REPLACE UNDERGROUND STORAGE TANKS WITH BEST AVAILABLE TECHNOLOGY. UNDERGROUND FACILITY REPLACEMENTS WILL BE INSTALLED, MAINTAINED, AND MONITORED IN ACCORDANCE WITH TRPA AND STATE REGULATIONS.	A	Threats to Public health and safety, environmental damage and illicit subsurface discharges that violate water quality standards can be caused by failing or antiquated underground storage tanks. This risk will be prevented and minimized by replacing existing tanks with best available technology (i.e. multi-walled or above ground tanks) only when the need for continued localized storage can be substantiated.	WQ.IMP-26 Staff Recommendation for Amending the Code of Ordinances: Amend the Water Quality Control Chapter with focus on the Applicability, Discharge Limits, Prohibition of Wastewater Discharge and Prohibition of Toxic or Hazardous Waste Discharge and Spill Control sections with special attention being given to the Holding tanks and Other No discharge Systems subsections. Consider nexus to the Grading Standards Chapter with focus on the Excavation Limitations Sections; with focus on the Groundwater Interception and Excavation subsections. Consider

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

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					with consumptive, contact and non-contact beneficial uses. TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal 2 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements					additional consistency language in the Special Information Reports and Plans chapter with focus on the Subsurface Investigations and Reports section.

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
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					that establish the guidelines for implementation based on the parameters for official decision making.					
1.8.6 Water Quality/ T. Hagan	WQ.DC-2	WQ2	WQ-2	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This process resulted in a re-articulation of the Desired Conditions for Lake Tahoe's water quality standards in regards to Human and Environmental Health. In this case, the Pathway effort distinguished the Water Quality Threshold's Goals associated with consumptive, contact and	WQ2.5 NO PERSON SHALL DISCHARGE SOLID WASTES IN THE LAKE TAHOE REGION BY DEPOSITING THEM ON OR IN THE LAND, EXCEPT AS PROVIDED BY TRPA ORDINANCE.	DELETED AS A STAND ALONE POLICY AND RECOMMENDED TO MERGE WITH WQ-2.1	D	N/A	N/A

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					<p>non-contact beneficial uses. TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal 2 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for</p>					

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					implementation based on the parameters for official decision making.					
1.8.6 Water Quality/ T. Hagan	WQ.DC-2	WQ2	WQ-2	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This process resulted in a re-articulation of the Desired Conditions for Lake Tahoe's water quality standards in regards to Human and Environmental Health. In this case, the Pathway effort distinguished the Water Quality Threshold's Goals associated with consumptive, contact and	WQ2.6 TRPA SHALL COOPERATE WITH OTHER AGENCIES WITH JURISDICTION IN THE LAKE TAHOE REGION IN THE PREPARATION, EVALUATION, AND IMPLEMENTATION OF TOXIC AND HAZARDOUS SPILL CONTROL PLANS.	WQ-2.3 TRPA WILL COOPERATE WITH THOSE AGENCIES IN THE LAKE TAHOE REGION THAT ARE RESPONSIBLE FOR THE PREPARATION, EVALUATION, AND IMPLEMENTATION OF TOXIC AND HAZARDOUS SPILL CONTROL PLANS.	A	A single spill of a toxic or hazardous material in the Region could significantly reverse progress in attaining water quality goals. TRPA will cooperate with the Forest Service, the EPA, and state water quality and health agencies to prevent and control toxic and hazardous spills.	WQ.IMP-27 Staff Recommendation for Amending the Code of Ordinances: Amend the Water Quality Control Chapter with focus on the Applicability, Discharge Limits, Prohibition of Toxic or Hazardous Waste Discharge and Spill Control sections. Consider nexus to the Grading Standards Chapter with focus on the Discharge Prohibitions and Disposal of Materials sections. Consider additional consistency language in the Special Information Reports and Plans chapter with focus on the Subsurface Investigations and Reports section.

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

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					<p>non-contact beneficial uses. TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal 2 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for</p>					

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					implementation based on the parameters for official decision making.					
1.8.6 Water Quality/ T. Hagan	WQ.DC-2	WQ2	WQ-2	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This process resulted in a re-articulation of the Desired Conditions for Lake Tahoe's water quality standards in regards to Human and Environmental Health. In this case, the Pathway effort distinguished the Water Quality Threshold's Goals associated with consumptive, contact and	CURRENT 1987 WQ2.7: THE BMPs WILL BE AMENDED TO INCLUDE SPECIAL CONSTRUCTION TECHNIQUES, DISCHARGE STANDARDS, AND DEVELOPMENT CRITERIA G26APPLICABLE TO PROJECTS IN THE SHOREZONE.	NOW RECOMMENDED AS WQ-1.14 THE STANDARDS FOR BACKSHORE BMPs AND SHOREZONE PROTECTIVE STRUCTURES WILL INCLUDE SPECIFIC LITTORAL ANALYSIS, SPECIAL CONSTRUCTION TECHNIQUES, UPDATED ENGINEERING PRACTICES AND SITE SPECIFIC DEVELOPMENT CRITERIA.	A	There is an urgent need from the Shorezone EIS to update this existing policy. Sediment and other discharges from shorezone construction or maintenance activities can have an immediate and obvious impact on water clarity and quality in localized areas. The replacement or upgrading of Shorezone protective structures will be guided by proper design, analysis, engineering and construction techniques in addition to using appropriate materials and other measures as represented and translated	WQ.IMP-28 Staff Recommendation for Amending the Code of Ordinances: Amend all of the Shorezone BMP appendix and develop nexus language to the BMP Requirements Chapter in the Applicability, BMP Compliance Program and Standard BMP requirements sections with reference to the Temporary and Permanent BMPs subsections. Consider nexus to the Grading Standards Chapter with focus on the Discharge Prohibitions and Disposal of Materials sections. Consider additional consistency language in the Special Information Reports and Plans chapter.

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					<p>non-contact beneficial uses. TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal 2 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for</p>				<p>from the current ACOE Coastal Engineering Manual. This updating and application of appropriate coastal planning and engineering techniques and analysis's to apply in the Lake Tahoe shorezone will be required and necessary to mitigate and protect the natural values and water quality of the shorezone. Staff has initiated the funding, research and contract assistance to compile and present this information in the upcoming 3rd Edition of The Best Management Practices Handbook.</p>	

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					implementation based on the parameters for official decision making.					
1.8.6 Water Quality/ T. Hagan	WQ.DC-2	WQ2	WQ-2	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This process resulted in a re-articulation of the Desired Conditions for Lake Tahoe's water quality standards in regards to Human and Environmental Health. In this case, the Pathway effort distinguished the Water Quality Threshold's Goals associated with consumptive, contact and	WQ2.8 LIQUID OR SOLID WASTES FROM RECREATIONAL VEHICLES AND BOATS SHALL BE DISCHARGED AT APPROVED PUMP-OUT FACILITIES. PUMP-OUT FACILITIES WILL BE PROVIDED BY PUBLIC UTILITY DISTRICTS, MARINAS, CAMPGROUNDS, AND OTHER RELEVANT FACILITIES IN ACCORDANCE WITH STANDARDS SET FORTH IN THE HANDBOOK OF BEST MANAGEMENT PRACTICES.	WQ-2.4 LIQUID OR SOLID WASTES FROM RECREATIONAL VEHICLES AND BOATS WILL BE DISCHARGED ONLY AT APPROVED PUMP-OUT FACILITIES. PUMP-OUT FACILITIES WILL BE PROVIDED BY PUBLIC UTILITY DISTRICTS, MARINAS, CAMPGROUNDS, AND OTHER RELEVANT FACILITIES TO PREVENT SPILLS AND INADVERTENT DISCHARGES.	A	Policy language has been amended to require sanitary discharges to be disposed of "only at approved pump-out facilities". Code language will be updated and also any reference in the upcoming 3rd Edition of The Best Management Practices Handbook.	WQ.IMP-29 Staff Recommendation for Amending the Code of Ordinances: Amend the Water Quality Control Chapter with focus on the Applicability, Discharge Limits, Prohibition of Wastewater Discharge, Prohibition of Toxic or Hazardous Waste Discharge and Spill Control sections with special attention being given to the Holding tanks and Other No discharge Systems subsections.

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					<p>non-contact beneficial uses. TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal 2 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for</p>					

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
					implementation based on the parameters for official decision making.					
1.8.6 Water Quality/ T. Hagan	WQ.DC-2	WQ2	WQ-2	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This process resulted in a re-articulation of the Desired Conditions for Lake Tahoe's water quality standards in regards to Human and Environmental Health. In this case, the Pathway effort distinguished the Water Quality Threshold's Goals associated with consumptive, contact and	WQ2.9 EVALUATE THE FEASIBILITY AND EFFECTIVENESS OF PONDING FACILITIES ALONG STREAM CORRIDORS AS A STRATEGY FOR REMOVING INSTREAM LOADS OF SEDIMENT AND NUTRIENTS.	DELETED due coverage in SEZ Subelement and TMDL Implementation Subelement	D	N/A	N/A

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
					<p>non-contact beneficial uses. TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal 2 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for</p>					

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
					implementation based on the parameters for official decision making.					
1.8.6 Water Quality/ T. Hagan	WQ.DC-2	WQ2	WQ-2	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This process resulted in a re-articulation of the Desired Conditions for Lake Tahoe's water quality standards in regards to Human and Environmental Health. In this case, the Pathway effort distinguished the Water Quality Threshold's Goals associated with consumptive, contact and	WQ2.10 REDUCE THE IMPACTS OF MOTORIZED WATERCRAFT ON WATER QUALITY.	WQ-2.5 REDUCE THE IMPACTS OF MOTORIZED WATERCRAFT ON WATER QUALITY.	NO CHANGE	The use of motorized watercraft on lakes within the region adversely affects water quality through the discharge of pollutants such as methyl-tertiary-butyl ether (MTBE), benzene, toluene, polycyclic aromatic hydrocarbons (PAHs), human waste, and hydrocarbons. TRPA will implement measures to attain and maintain TRPA, state, and federal water quality standards because these pollutants can impact fish, wildlife, recreation and	WQ.IMP-30 Staff Recommendation for Amending the Code of Ordinances: Existing Code language is considered adequate and No Code amendment updating or change is currently being recommended .

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					<p>non-contact beneficial uses. TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal 2 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for</p>				<p>contact and consumptive beneficial uses of water supplies.</p>	

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
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					implementation based on the parameters for official decision making.					
1.8.6 Water Quality/ T. Hagan	WQ.DC-2	WQ2	WQ-2	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This process resulted in a re-articulation of the Desired Conditions for Lake Tahoe's water quality standards in regards to Human and Environmental Health. In this case, the Pathway effort distinguished the Water Quality Threshold's Goals associated with consumptive, contact and	NONE	WQ-2.6 IMPLEMENT NEW STANDARDS FOR SOURCE WATER PROTECTION ZONES AROUND PUBLIC GROUNDWATER WELLS. SOURCE WATER PROTECTION FOR GROUNDWATER WELLS WILL BE IMPLEMENTED BASED ON A HYDROGEOLOGIC ANALYSIS AROUND THOSE WELLS THAT INCLUDES AN ASSESSMENT OF THE SOILS SATURATED HYDROLOGIC CONDUCTIVITY AND THE GROUNDWATER'S HYDROLOGIC TIME OF TRAVEL. PUBLIC LAKE INTAKE PROTECTION ZONES WILL BE BASED UPON AN ASSESSMENT OF THE RISKS ASSOCIATED WITH ADJACENT SHOREZONE USES.	N	The Source Water Protection Chapter was adopted in 1999, but this chapter does not adequately address how to analyze and create effective source water protection zones. At present, nutrients from infiltration are "not thought" to represent a threat to drinking water quality in Lake Tahoe but the focus here is more on other soluble and persistent pollutants such as hydrocarbons, MBTE, PAHs, BTEX etc. Protection from possible contaminants is needed for zones of contribution	WQ.IMP-31 Staff Recommendation for Amending the Code of Ordinances: Comprehensively amend with minor language adjustments all sections of the Source Water Protection chapter.

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					<p>non-contact beneficial uses. TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal 2 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for</p>				<p>(ZOC) based surface overlaying and on subsurface hydrologic time-of-travel in the contributing aquifer. These range from Zone A (2 years), Zone B (5 years) to Zone C (10 years) for South Tahoe Public Utility District. There is also an additional buffer zone protection that may be required in some circumstances (see STPUD Administrative Code, Division 7). A minimum intake buffer zone of 1320 ft. has been proposed pending the results of the risk assessment for possible contaminating activities by the Lake Tahoe Water Suppliers Association.</p>	

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
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					implementation based on the parameters for official decision making.					
1.8.6 Water Quality/ T. Hagan	WQ.DC-2	WQ2	WQ-2	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This process resulted in a re-articulation of the Desired Conditions for Lake Tahoe's water quality standards in regards to Human and Environmental Health. In this case, the Pathway effort distinguished the Water Quality Threshold's Goals associated with consumptive, contact and	NONE	WQ-2.7 ACHIEVING STORMWATER TREATMENT THROUGH SOIL INFILTRATION CAN NOT CREATE A SIGNIFICANT RISK TO GROUNDWATER QUALITY.	N	This Policy's focus is on controlling the nutrient and contaminant loads potentially being delivered to groundwater by urban BMPs, (this includes controlling pollutants that would impact source water protection zones). The historic reliance on Best Management Practices that infiltrate stormwater (e.g. structural stormwater BMPs such as infiltration basins, wet basins and stormwater treatment wetlands) presumed that the native soil being infiltrated into are suitable	WQ.IMP-32 Staff Recommendation for Amending the Code of Ordinances: Amend the Water Quality Control Chapter with focus on the Applicability and Discharge Limits Sections; special attention being given to the Discharges to Groundwater subsection. Amend the Grading Standards Chapter with focus on the Discharge Prohibitions and Excavation Limitations Sections; special attention being given to the Groundwater Interception and Excavation subsections. Consistency nexus will be required in the Grading and Construction Schedule Chapter with focus on the Grading and Construction Schedule section. Additional

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
					<p>non-contact beneficial uses. TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal 2 states the management objective and it is then followed by individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for</p>				<p>and capable of providing adequate pollutant treatment and removal. The Groundwater threshold language and current Code establishes in the Grading Standards and Water Quality Control chapters that if there is evidence of a direct hydrologic connection between surface and groundwater, then surface water discharge standards applied before stormwater could be allowed to interface with groundwater (receiving waters). Pre-project soil-hydrologic and groundwater studies will be relied on to estimate the treatment capacity of the unsaturated soil volume below the bottom of any planned stormwater basin or subsurface</p>	<p>consistency language and nexus will be required for the BMP Requirements Chapter in the Standard BMP Requirements and Maintenance of BMPS sections. Additional updating and consistency language will be necessary in the Special Information Reports and Plans chapter with focus on the Subsurface Investigations and Reports section. WQ.IMP-33 Continue to develop the 3rd Edition of the BMP Handbook to provide clear technical guidance on the design standards and maintenance requirements for infiltration BMPs as informed by this research</p>

Alternative 2 – Land Use Goals, Policies, and Implementation Strategies

Alternative 2 -- WATER QUALITY										
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					implementation based on the parameters for official decision making.				facility. This requirement will ensure that stormwater infiltration does not create an unacceptable risk of delivering nutrient or contaminant loads inadvertently to groundwater resources. This policy seeks to prevent jeopardizing the beneficial uses (domestic consumption) associated with Lake Tahoe's groundwater resources and is consistent with the objectives of the Safe Drinking Water Act.	

Alternative 3 – Land Use Goals, Policies, and Implementation Strategies

<p style="text-align: center;">Alternative 3 -- WATER QUALITY</p> <p style="text-align: center;">(The Goals, Policies, and Implementation Measures proposed under Alternative 3 would be the same as those proposed under Alternative 2. Other than the need to integrate the TMDL to the greatest extent achievable into the Water Quality Subelement and Threshold, this Alternative maintains the status quo.)</p>										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures

Alternative 4 – Land Use Goals, Policies, and Implementation Strategies

<p align="center">Alternative 4 -- WATER QUALITY (same as Alternative 2 except for the following modification/additions, specifically the absolute prohibition against the use of phosphorous fertilizer and pesticides)</p>										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
1.8.6 Water Quality/ T. Hagan	WQ.DC-1	WQ1	WQ-1	A	Developed through an extensive visioning and language crafting effort by the Pathway Collaborative Process. This resulted in a re-articulation of the Desired Condition for recovering Lake Transparency (Clarity). TRPA agreed to use Pathway recommended Desired Conditions language to guide the new Goal statements. Proposed language for new W.Q. Goal # 1 states the management objective and it is then followed by	WQ1.6: THE USE OF FERTILIZER WITHIN THE TAHOE REGION SHALL BE RESTRICTED TO USES, AREAS, AND PRACTICES IDENTIFIED IN THE HANDBOOK OF BEST MANAGEMENT PRACTICES. FERTILIZERS SHALL NOT BE USED IN OR NEAR STREAM AND DRAINAGE CHANNELS, OR IN STREAM ENVIRONMENT ZONES, INCLUDING SETBACKS, AND IN SHOREZONE AREAS. FERTILIZER USE FOR MAINTENANCE OF PRE-EXISTING LANDSCAPING SHALL BE MINIMIZED IN STREAM ENVIRONMENT ZONES AND	WQ-1.6: PROHIBIT FERTILIZER AND PESTICIDE USE IN THE LAKE TAHOE BASIN. .	A	This policy is intended to prevent impact from fertilizer in sensitive areas, stormwater runoff and groundwater through an absolute prohibition. One of Lake Tahoe's primary water quality problems is the imbalance in the Lake's nutrient budget. Consequently, prohibiting the use of artificial fertilizers and pesticides could be argued to be an essential component of TRPA's Water Quality subelement and program. Nitrogen and phosphorus load reduction requirements have been identified in the Lake Tahoe	

Alternative 4 – Land Use Goals, Policies, and Implementation Strategies

<p align="center">Alternative 4 -- WATER QUALITY (same as Alternative 2 except for the following modification/additions, specifically the absolute prohibition against the use of phosphorous fertilizer and pesticides)</p>										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
					individual policies that deliberate the plan-of-action framework with formally articulated principles intended to guide programmatic decisions and achieve the desired outcomes consistent with the stated Goal. Policies will be presented as official agency statements that establish the guidelines for implementation based on the parameters for official decision making.	ADJUSTED OR PROHIBITED IF FOUND, THROUGH EVALUATION OF CONTINUING MONITORING RESULTS, TO BE IN VIOLATION OF APPLICABLE WATER QUALITY DISCHARGE AND RECEIVING WATER STANDARDS.			TMDL, Pollution Control Opportunities Report and Integrated Water Quality Management Strategy Report. These load reduction objectives may require an absolute prohibitions on fertilizer use in order to reduce nitrogen and phosphorus loads to surface and ground waters. Pesticide use in the Lake Tahoe Basin is considered rather minimal beyond institutional or commercial applications but these chemical substances are often classified by the EPA as persistent contaminants for soil and	

Alternative 4 – Land Use Goals, Policies, and Implementation Strategies

Alternative 4 -- WATER QUALITY (same as Alternative 2 except for the following modification/additions, specifically the absolute prohibition against the use of phosphorous fertilizer and pesticides)										
Element or Subelement/ Author	Pathway Desired Condition	Existing Goal	Proposed Goal	Goal Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Goal Rationale	Existing Policy	Proposed Policy	Policy Status: (N)ew, (A)mended, (D)eleted, (U)nchanged	Policy Rationale	Implementation Measures
									water resources. Their use will also be prohibited by amending the Pesticide Use section of the Water Quality Control chapter.	