

C E R T I F I C A T E

The undersigned, N. Kathryn Brigham and Sally Kosey hereby certify that they are the Chair and Secretary, respectively, of the Board of Trustees of the Confederated Tribes of the Umatilla Indian Reservation, and at a regular meeting of said Board of Trustees at the Board Chambers of the Nixyáawii Governance Center, Mission, Oregon, on the 24th day of July, 2023, a quorum of said Board was present and the following Resolution was regularly moved, seconded, and adopted by a vote of 5 for, 0 against, and 0 abstaining.

R E S O L U T I O N

WHEREAS, the Board of Trustees is the governing body of the Confederated Tribes of the Umatilla Indian Reservation (Confederated Tribes) by the authority of Article VI, Section 1 of the Constitution and Bylaws of the Confederated Tribes, adopted on November 4, 1949 and approved on December 7, 1949, as amended; **AND**

WHEREAS, pursuant to Article VI, Section 1(b) of the Constitution and Bylaws, the powers of the Board of Trustees include the authority “to manage all affairs of the Confederated Tribes, including the administration of tribal lands, funds, timber and other resources, under appropriate contracts, leases, permits and loan or sale agreements”; **AND**

WHEREAS, in Resolution No. 12-055 (August 13, 2012), the Board of Trustees adopted a Capital Improvements Program including a process for project evaluation and development as well as a preliminary schedule of projects to be pursued; **AND**

WHEREAS, in Resolution No. 20-007 (January 27, 2020), the Board of Trustees adopted the 2020 Capital Improvements Plan Update consisting of a Capital Improvement Process and three Addendums to be updated regularly: Addendum A: Project List, Addendum B: Capital Financial Planning, and Addendum C: Water Resources Availability Planning; **AND**

WHEREAS, Addendums A, B, and C were initially adopted on January 31, 2022 by resolution 22-009, and need to be updated per the established process; **AND**

WHEREAS, in February 2023, Tribal Departments, Committees, and Commissions were asked to give input into ranking previously proposed projects and submit any new priority projects for consideration in the CIP Update process; **AND**

WHEREAS, in June 2023, the public was requested, via CUJ and web articles, for feedback on proposed projects with opportunity to comment in an interactive web map; **AND**

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TOPIC: Capital Improvements Plan Update - Addendums A and C

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WHEREAS, the Capital Improvements Committee, established under Resolution No. 12-055, meets regularly to discuss progress on Capital projects, has reviewed the attached Addendums A and C, and on July 11 recommended them for adoption by the Board of Trustees; **AND**

WHEREAS, Addendum B will be presented as part of an upcoming Financial Report from Finance that starts off the Budget process; **AND**

WHEREAS, a Board of Trustees work session was held on July 19, 2023 to review Addendums A and C; **AND**

WHEREAS, the Board of Trustees desires that the projects listed in Addendum A be actively pursued by the responsible departments/entities according to the process outlined in the Capital Improvements Plan, recognizing that the list is a guideline subject to availability of funding and individual approval as details are developed and projects are funded through the budget process; **NOW, THEREFORE, BE IT**

RESOLVED, that the Board of Trustees adopts the Addendums A and C to the Capital Improvements Plan, attached hereto as Exhibits 1 and 2.

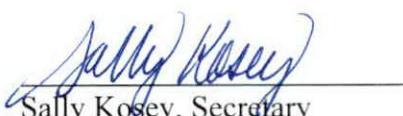
AND, that said Resolution has not been modified amended or repealed and is still in full force and effect.

DATED this 24th day of July, 2023.



N. Kathryn Brigham
Chair
Board of Trustees

A T T E S T:



Sally Kosey, Secretary
Board of Trustees

Exhibit 1: Capital Improvements Plan Update – Addendum A

Exhibit 2: Capital Improvements Plan Update – Addendum C

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NAME	YES	NO	ABSTAIN	LEAVE
N. Kathryn Brigham, BOT Chair				
Aaron Ashley, BOT Vice Chair	X			
Sandra Sampson, BOT Treasurer	X			
Sally Kosey, BOT Secretary	X			
Lisa Ganuelas, BOT Member	X			
Toby Patrick, BOT Member				Personal
Boots Pond, BOT Member				Personal
Corinne Sams, BOT Member	X			
Lindsey X. Watchman, General Council Chair				Travel

CTUIR - Capital Improvement Plan - Addendum A

Project List adopted 1/31/22 with **Status Updates** and **Proposed New Projects**

Project	Potential Funding Sources	Status Notes	Timing	Description
Infrastructure				
SEWER/WATER				
Sewer Treatment System	ARP, I.H.S. Infrastructure, Tribal	Feasibility/ RFP for Engineering in process	Short term	Small localized treatment facility in Mission using technology that reduces costs, recycles wastewater and reduces water use.
TRANSPORTATION				
Spilyay Traffic Control	ODOT, Tribal	Conceptual	Short term	Exploring traffic control options for the intersection.
I-84 E-bound Off-Ramp Level of Service Improvements	ODOT, Tribal	Conceptual	Short term	Improvements to the I-84 Eastbound Off-Ramp such as lighting and a turn lane to help with traffic flow as demand increases.
Safe Routes to School, additional	ODOT Grant, CTUIR match	Conceptual	Short to medium term	Pursue additional improvements for student safety to the new school campus along the busy, high speed roads of Mission and Highway 331, within 1 mile of the school.
Extension of Pendleton Riverwalk to Mission	Grants, ODOT, unknown	Conceptual	medium to long term	Extend the riverwalk concept from Pendleton to Mission to create safe pedestrian infrastructure between Pendleton and the Reservation .
331 Grade Separated Sidewalk & Crossing	ODOT, Tribal	Conceptual	Long Term	Plan and construct a grade separated sidewalk or path along Hwy 331 from the Governance Center to Spilyay Road near Wildhorse and Coyote Business Park.
I-84 Overpass	ODOT, Tribal	Conceptual	Long term	Planning & Design of future upgrade to I-84 Overpass.

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CTUIR - Capital Improvement Plan - Addendum A

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Project	Potential Funding Sources	Status Notes	Timing	Description
COMMUNICATIONS				
Broadband: Mission Basin Fiber to Homes	USDA, Infrastructure, ARP, Tribal	Phased	Short to medium term	Provide fiber optic service to as much of the Reservation Community as possible; extend from central spine to residences & Tribal facilities in areas currently underserved.
ENERGY				
Solar Net Metering at Coyote Business Park	Grants, Tribal Funds	Site Planning Complete	Grant in process	Ground-mounted Solar PV near TERF to offset power at Coyote Business Park including Arrowhead, Cayuse Tech, NCFS Bldg, Pandemic Bldg, TERF.
Solar Microgrid for 27 Housing Units	Sandia National Lab, DOE	New Project Application	2024	Feasibility demonstration with UEC to build a community scale microgrid to connect 27 housing Dept managed homes to a solar array with a battery system.
Rooftop Solar for Nixyaawii Education Center	TBD	New Project Application	Short Term	Rooftop solar for Nixyaawii Education Center, paired with energy storage for the ability to operate during power outages.
Rooftop Solar for Yellowhawk Tribal Health Center	TBD	New Project Application	Short Term	Rooftop solar for Yellowhawk Tribal Health Center, paired with energy storage for the ability to operate during power outages.
Community Services/Facilities				
TRIBAL FACILITIES				
DPW & Fleet Facilities	Tribal, Program, Grants	Conceptual	short term	Construct Lease Bus Barn property to serve as a Public Works maintenance facility for covered storage of Public Works equipment and supplies. Evaluate property for potential purchase - Environmental Assessment under way.

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Project	Potential Funding Sources	Status Notes	Timing	Description
DNR Facilities (Fisheries/Bullpen/etc.)	Tribal, Program, Grants	Conceptual	short term	Temporary storage of some DNR equipment at Bus Barn property while evaluating options for location to replace Bullpen shop and storage -- to also include EESP storage needs. (Separate facility for processing fish and game needs to be at an Industrially zoned location).
Child Care classroom space	\$939,000 ARPA must be spent by 9/30/24. \$500 K grant applied for.	BOT approval 6/30/21 for additional classrooms	2024	Ataw Miyansma Learning Center has 13 infants waiting for child care. Need to provide high quality early learning services.
Wellness Center	Tribal, Program	Conceptual	Mid term	Concepts are being evaluated for presentation and feasibility assessment.
NGC Remodel	Tribal	Conceptual	unknown	Remodel existing Nixyaawii Governance Center to accommodate growth.
Additional Education Buildings?	unknown	Conceptual	long term	Elementary, Middle school, etc. RFP in process for Infant through 8th grade needs assessment.
Transit Building expansion	ODOT, FTA,	Conceptual	short term	Office space for bus driver training, meetings and break area. The need for adequate space has intensified with COVID requirements for distancing.
New Fire Station/ Public Safety Facilities	ICDBG, HUD, OR State Fire Marshall	Conceptual	short term	Construct a modern fire station from ground up. Should include emergency services training center. Possible location in Coyote Business Park area.
TCI HVAC	Applying for ETO Rebate	Bid - Sno Valley 2023	short term	Replace outdated and inefficient Chillers/piping for TCI HVAC system; replacement gets TCI very close to Net Zero.
EESP Field Station Health and Safety Upgrades	DOE-EM Carryover, OMD Contract Funds		2025	EESP will be performing Hanford first foods resources analyses that require upgrades to the lab for health and safety and to the garage for new workflow.

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Project	Potential Funding Sources	Status Notes	Timing	Description
EESP Storage of Hanford-related equipment	DOE Cooperative Agreement		2025	DNR-EESP has needs for weather-protected storage of equipment related to stewardship of Federal sites, e.g. Hanford. **In conjunction with other DNR Programs.
HOUSING				
Veteran's Village - Homes and Services	Potential State and Federal Grants	ARPA Allocation for feasibility	2026	Housing for homeless veterans and designated service location for Veterans to gather.
Elder homes and Assisted Housing	TBD	Feasibility study in process	short term	Create homes for Native American elders near services and an assisted living facility with continuum of care for range of needs. BOT Priority Team 5 has funds to conduct a feasibility study. Also evaluate a new Senior's and veteran's community space.
Additional Housing/Subdivision (Nagel)	Tribal, Program, Grants	Conceptual	medium term	Subdivide Tribal Trust property (Nagel) for development by Tribal Members as home sites with long term leases (16 lots; 1 to 1.5 acres each).
Additional Housing/ Subdivision (East Bench, Nixyaawii II, Others?)	Tribal, Program, Grants	Conceptual	medium to long term	Tribal Trust property development for Tribal Members home sites with long term leases.
Low Income Housing Rental Units for CTUIR Community	USDA, Tax credits, HUD, loans, Tribal	Conceptual	short term	The average wait list for CTUIR housing low income rental units - 1, 2, 3 & 4- BR is 20 per category (80 total). Priority for 4 and 3 bedroom units, some 2 BD. The needed income range is TBD after Timine N. is rented, possibly freeing up existing income-qualified units managed by Housing.
Transitional Housing - Family Violence Services Program	TBD	Conceptual	medium term	Need for transitional home for DV offenders, persons coming out of prison, others

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Project	Potential Funding Sources	Status Notes	Timing	Description
Economic Development				
Coyote Business Park Spec Building	Tribal, financing,	Conceptual	short term	Build a spec building within Coyote Business Park South for leasing out to a business.
Small business center/Incubator	Grants, ARP, Financing	Conceptual	mid term	Development of a small business location with frontage for retail.
Food Truck Park	Small Business Loans (product is pending Treasury approval)	Feasibility study to be complete by April 2023	2024	NCFS has 5 small business clients interested in having a food truck. As the planned business incubator project will be several years away, this will provide a lower cost intermediate option
Casino Expansion - Hotel & Convention Center	Casino Budgets, Tribal, Financing	Preliminary Design	medium term	Demolish the older Courtyard hotel (99 rooms) and construct a new hotel and added convention space.
Truck Parking at Arrowhead	Casino Budgets, Tribal, Financing	Conceptual	medium term	Provide additional paved truck parking near Arrowhead for use by truckers visiting Wildhorse. Would replace the temporary gravel parking in front of Wildhorse.
Sportsplex	unknown, Financing	Conceptual	long term	A 2006 feasibility study looked at locating a regional sportsplex west of the Casino on CTUIR vacant land.

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Project	Potential Funding Sources	Status Notes	Timing	Description
Hazard Mitigation Projects / Natural Resource Projects				
Spring Creek Improvements July Grounds (Flood Control in Mission Housing Area)	Transportation, ARP, program? FEMS/IHS/HUD	In process	short term if grant obtained 2025-2026	Walla Walla Court Flooding Study & Mitigation - Assess drainage in Mission basin near housing and implement a plan to reduce flooding in spring and fall.
Geothermal Project (Phase 2B)	Grant with Tribal match	Feasibility Study (Phase 2A) completed	short to medium term	DNR EES has identified potential geothermal resources. Phase 2A, feasibility is just finishing. Phase 2B would drill and test temperature gradient boreholes (TGB).
Flood plain Work	unknown, BPA, other funding	Conceptual	short term if grant funded	River work to restore natural flood plain.

Recreation				
Interpretive Kiosk/Rest on Tamastslikt Trail	Tribal, Program, Grants	Conceptual	short term	Add a rest stop with cover, bench and interpretive signage on the Tamastslikt Trail.
Wellness & Mobility Trail, "July Grounds to Mission	Tribal, Program, Grants	Conceptual	short to medium term	Increase mobility options between July Grounds and Mission for pedestrians and for bicycle and horse riders.
Playgrounds others (housing areas, Cayumawa, July Grounds)	Tribal, Program, Grants	Conceptual	Phase, some in process	Upgrade existing parks in housing areas and near Cayumawa; develop new outdoor recreation areas in July Grounds such as a skate park and covered basketball court

Addendum C. Water Resource Availability Planning

As the CTUIR grows, it is increasingly necessary to address utilization of natural resources, especially water, in our development planning horizon. In order to be good stewards of the first foods that we are sworn to protect, it is fundamental to our future to manage water resources responsibly through consumptive reduction, consumptive mitigation, and source protection and development.

The Department of Natural Resources, Water Resources section sets the maximum water pumping allocation for each well. This is set to ensure that the ground water table is protected. Public Works provides an annual report of water usage. This difference between the allocation and the use provides an estimate of water available for future development.

Below are the permitted water allocations and actual usage for the wells for preceding years. Usage is measured in acre feet of water per year. Figures in red show where usage exceeded the allocations.

Year	Used (acre ft)	Permitted (acre ft)
1998	489.8	500
1999	608.7	815
2000	690.9	755
2001	681.7	755
2002	740.3	755
2003	894.0	755
2004	1003.4	755
2005	1049.4	755
2006	662.2	755
2007	708.5	755
2008	818.5	755
2009	887.2	755
2010	811.4	755
2011	883.2	955*
2012	968.4	955
2013	598.6	955
2014	639.4	955
2015	880.5	955
2016	789.3	955
2017	1229.2	955
2018	956.0	1155*
2021	1069.8	1155
2022	947.3	1155

*200 acre feet for Well #6 was added after the well was successfully drilled in 2011. However, due to delays in constructing the water line, the well was not able to be put into beneficial use and the well permit expired. In 2018, in conjunction with permitting for the reservoir and water line, the public works director requested an allocation of at least 400 acre feet for well #6. The Water Commission decision was to increase the allocation for wells 1-5 to 955 acre feet for 5 years and start well #6 off with a 200 acre feet allocation with the intention of increasing it to 400 acre feet after 5 years if there is no impact to the surrounding area; the other wells would be decreased back to 755 acre feet for an overall allocation of 1155 acre feet total. However, since Well #6 was not put into operation until 2022 its 5-year performance evaluation will be in 2027; water allocations overall need to be revisited in 2023 since it has been 5 years since the Water Commission decision.

As can be seen, the usage of water in some years has been above the allocated capacity. Currently, the main thrust to address this is to develop a sewer processing system with technology that will allow water to be cleaned and reused for watering the Golf Course. The Golf Course currently uses fresh water, and takes a substantial amount. Using recycled water would free up fresh water to be used for new development.

It's important to estimate the amount of water that new development projects will use. Engineers sometimes use sewage flow rates to estimate water usage. The attached DEQ chart shows typical sewage flow rates by use. Gallons per day can be converted to acre feet per year. This captures typical water usage within buildings but does not account for any water used outside for irrigation. That must be estimated and added in separately.

Using these estimates, anticipated water usage can be calculated for projects on the Addendum A list.

For instance, the 50 new lots in the Nixyaawii Subdivision are cumulatively estimated to use about 40 acre feet of water. The estimate assumes domestic use of 375 gallons per day (typical for a 3 bedroom home) and outside use (lawn, garden, carwashing, etc) of 225 gallons per day. Between domestic use and irrigation, the estimate equals .67 acre feet of water per year for an average home. Water usage is highly variable depending on how many persons live in a home and how much irrigation is done.

In upcoming years, this information will be used when capital improvements projects are submitted for consideration to help estimate the impact on water supply. Additionally, the Tribal Planning Office is requiring engineered estimates of water usage when development applications are submitted for substantial new development.

The process of tracking how much water is available for development and how development uses water will help to focus on ways to plan for and conserve this valuable resource.

Department of Environmental Quality

Water Quality Division

TABLE 2
OAR 340-071-0220
QUANTITIES OF SEWAGE FLOWS

Type of Establishment	Column 1	Column 2
	Gallons Per Day	Minimum Gallons Per Establishment Per Day
Airports	5 (per passenger)	150
Bathhouses and swimming pools	10 (per person)	300
Camps: (4 Persons per Campsite, where Applicable)	Campground with central comfort stations	35 (per person)
	With flush toilets, no showers	25 (per person)
	Construction camps — semi-permanent	50 (per person)
	Day camps — no meals served	15 (per person)
	Resort camps (night and day) with limited plumbing	50 (per person)
	Luxury camps	100 (per person)
Churches	5 (per seat)	150
Country clubs	100 (per resident member)	2000
Country clubs	25 (per non-resident member present)	—
Dwellings:	Boarding houses	150 (per bedroom)
	Boarding houses — additional for non-residential boarders	10 (per person)
	Rooming houses	80 (per person)
	Condominiums, Multiple family dwellings — including apartments	300 (per unit)
	Single family dwellings	300 (not exceeding 2 bedrooms)
	Single family dwellings — with more than 2 bedrooms	75 (for third & each succeeding bedroom)
Factories (exclusive of industrial wastes — with shower facilities)	35 (per person per shift)	300
Factories (exclusive of industrial wastes — without shower facilities)	15 (per person per shift)	150
Hospitals	250 (per bed space)	2500
Hotels with private baths	120 (per room)	600
Hotels without private baths	100 (per room)	500
Institutions other than hospitals	125 (per bed space)	1250
Laundries — self-service	500 (per machine)	2500
Mobile home parks	250 (per space)	750
Motels — with bath, toilet, and kitchen wastes	100 (per bedroom)	500
Motels — without kitchens	80 (per bedroom)	400
Picnic Parks — toilet wastes only	5 (per picnicker)	150
Picnic Parks — with bathhouses, showers, and flush toilets	10 (per picnicker)	300
Restaurants	40 (per seat)	800
Restaurants — single-service	2 (per customer)	300
Restaurants — with bars and/or lounges	50 (per seat)	1000
Schools:	Boarding	100 (per person)
	Day — without gyms, cafeterias, or showers	15 (per person)
	Day — with gyms, cafeterias and showers	25 (per person)
	Day — with cafeteria, but without gyms or showers	20 (per person)
Service Stations	10 (per vehicle served)	500
Swimming pools and bathhouses	10 (per person)	300
Theaters:	Movie	5 (per seat)
	Drive-In	20 (per car space)
Travel trailer parks — without individual water and sewer hookups	50 (per space)	300
Travel trailer parks — with individual water and sewer hookups	100 (per space)	500
Workers:	Construction — as semi-permanent camps	50 (per person)
	Day — at schools and offices	15 (per shift)

* Except as otherwise provided in these rules.