

	ESTIMATED PROJECT COSTS	FUNDED	UNFUNDED (NEEDS)	% UNFUNDED
PROJECT REQUIREMENTS BY FISCAL YEAR:				
FY 2017	\$ 1,074,482	\$ 1,021,482	\$ 53,000	4.93%
FY 2018	4,073,604	3,509,604	564,000	13.85%
FY 2019	2,466,825	2,015,000	451,825	18.32%
FY 2020	237,500	25,000	212,500	89.47%
FY 2021	14,337,500	3,635,000	10,702,500	74.65%
FY 2022 and beyond	1,632,946	25,000	1,607,946	98.47%
TOTAL CAPITAL IMPROVEMENT COSTS	<u>\$ 23,822,857</u>	<u>\$ 10,231,086</u>	<u>\$ 13,591,771</u>	<u>57.05%</u>

	ESTIMATED PROJECT COSTS	FUNDED	UNFUNDED (NEEDS)	% UNFUNDED
PROJECT REQUIREMENTS BY PRIORITY:				
PRIORITY 1	\$ 6,387,086	\$ 6,281,086	\$ 106,000	1.66%
PRIORITY 2	14,901,000	3,950,000	10,951,000	73.49%
PRIORITY 3	926,825	-	926,825	100.00%
PRIORITY 4	757,946	-	757,946	100.00%
PRIORITY 5	850,000	-	850,000	100.00%
TOTAL CAPITAL IMPROVEMENT COSTS	<u>\$ 23,822,857</u>	<u>\$ 10,231,086</u>	<u>\$ 13,591,771</u>	<u>57.05%</u>

CAPITAL IMPROVEMENT PLAN
FY 2017 - FY 2022 Budget Detail

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PRIORITY 1=highest 5=lowest	PROJECT TITLE AND LOCATION brief yet descriptive about basic nature of project	PROJECT TYPE	DEPARTMENT	PROJECT FUNDING	PROJECT COST	fy 2017	fy 2018	fy 2019	fy 2020	fy 2021	fy 2022 and beyond	Funded	Unfunded
1	BHS Office and Wellness Center	Building	BHS	MHSA (100% state), c/o balance of \$5.7M potentially available + alcohol & drug funds + SACPA	\$ 2,886,204	\$ 230,000	\$ 2,656,204	\$ -	\$ -	\$ -	\$ -	\$ 2,886,204	\$ -
1	Computer Desktop Replacement	Information technology	IT	GF Discretionary funding Included in annual IT Budget	\$ 72,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 72,000	\$ -
1	Communications Tower County Administration	Public safety	Sheriff	EMPG & HSGP: \$131,817 with GF match of \$55,718 and GF discretionary contribution of \$20,608 (because of loss of funding due to reversion)	\$ 86,482	\$ 86,482	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86,482	\$ -
1	Dixon Mine Road - Wolf Creek Bridge Replacement	Roads, bridges and infrastructure	CDA	Federal Highway Bridge Program. No local match required.	\$ 733,400	\$ 300,000	\$ 433,400	\$ -	\$ -	\$ -	\$ -	\$ 733,400	\$ -
1	Hot Springs Creek (AKA Markleeville Creek) Bridge Replacement	Roads, bridges and infrastructure	CDA	Federal Highway Bridge Program with 11.47% match potentially with STIP funding (match=\$263,236)	\$ 2,295,000	\$ 250,000	\$ 395,000	\$ 1,650,000	\$ -	\$ -	\$ -	\$ 2,295,000	\$ -
1	Markleeville Library Parking Lot Drainage and Disabled Access Improvements	Building	CDA	GF Discretionary funding, if available	\$ 106,000	\$ -	\$ 106,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 106,000
1	Perry Walther Parking Lot Reconstruction, Bear Valley	Roads, bridges and infrastructure	CDA	GF Discretionary funding previously set aside for Library parking lot project	\$ 130,000	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 130,000	\$ -

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1	Server Replacement	Information technology	IT	GF Discretionary funding, included in annual IT budget	\$ 78,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 78,000	\$ -
2	Hot Springs Road Rehabilitation - Phase 1	Roads, bridges and infrastructure	CDA	Included in current STIP program and includes Mariposa STIP loan of \$760,000	\$ 3,950,000	\$ -	\$ -	\$ 340,000	\$ -	\$ 3,610,000	\$ -	\$ 3,950,000	\$ -
2	Hot Springs Road Rehabilitation - Phase 2	Roads, bridges and infrastructure	CDA	Intending to apply for FLAP (federal funding). Will require 11.47% local match of \$1,203,203. Questionable if STIP funding will be available.	\$ 10,490,000	\$ -	\$ -	\$ -	\$ -	\$ 10,490,000	\$ -	\$ -	\$ 10,490,000
2	New District Attorney Office	Building	CDA	Unfunded at this time. Potential funding options include: STPUD, borrow internally and obligate GF with annual payments for 15-30 years, borrow externally, General Obligation bond and pay back with property tax assessments (requires public vote). Need to balance with other urgent needs for capital funding including the parking lot in BV, servers and computer failures, property tax system replacement, etc.	\$ 461,000	\$ 53,000	\$ 408,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 461,000
3	Property tax system	Information technology	Finance	No grants available. Funding will come from GF reserves, unanticipated revenues or carryover surpluses	\$ 500,000	\$ -	\$ 25,000	\$ 50,000	\$ 212,500	\$ 212,500	\$ -	\$ -	\$ 500,000
3	Expansion of Sheriff's Storage Facility	Building	Sheriff	Unfunded at this time. Look for federal and state grant opportunities. Otherwise, fund from surplus revenues.	\$ 111,825	\$ -	\$ 25,000	\$ 86,825	\$ -	\$ -	\$ -	\$ -	\$ 111,825
3	Type 3 Brush Truck (water tender replacement)	Fire prevention and/or equipment	EAF	SRF, fire contracts (callfire), FEMA (AFG), some programs require 10%-20% match, EMPG reversed funding, discretionary funding, unanticipated revenues	\$ 315,000	\$ -	\$ -	\$ 315,000	\$ -	\$ -	\$ -	\$ -	\$ 315,000

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4	Markleeville Creek Floodplain Restoration	Land improvement	Watershed	Federal and state funding opportunities, likely to require local matching funds mitigation fees, BLM contribution	\$ 757,946	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 757,946	\$ -	\$ 757,946
5	Solar rooftop panels on County facilities	Building	Administration	Vendor rebates, possible revenue from buy back of surplus energy loans, cash flow savings current GF electricity cost is \$42,000 annually, will take 23 years to break-even	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ 600,000
5	Finish Bear Valley Firehouse Upstairs	Building	Sheriff	If space used for classroom / training activities, then use EMPG, HSGP, CalOES. Remainder of funding anticipated to come from surplus and carryover funds.	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 250,000
				TOTALS	\$ 23,822,857	\$ 1,074,482	\$ 4,073,604	\$ 2,466,825	\$ 237,500	\$ 14,337,500	\$ 1,632,946	\$ 10,231,086	\$ 13,591,771

CAPITAL IMPROVEMENT PLAN
FY 2017 - FY 2022 Budget Narrative

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1	BHS Office and Wellness Center	Building	BHS	Wellness Center	MHTSA 3 year plan includes this project. Department needs additional space and HHS needs space occupied by BHS staff.	RFQ issued for architecture, engineering and project mgmt, will include site selection, planning and design, results needed to estimate cost of project. Additional dollars will be needed to purchase property for the recommended location.	In Process
1	Computer Desktop Replacement	Information technology	IT	Replacement of existing County desktops and laptops for General Fund departments.	Capital replacement plan should incorporate a regular recurring schedule of replacing desktops and laptops prior to catastrophic failure. The older computers become, the more desktop support required to keep them functioning. This will ensure technology is kept up to date and minimize cascading failure events.	Budgeting \$25,000 yearly to replace hardware. Included in IT budget. Replace 3 admin units and 3 sheriff units per year.	In Process
1	Communications Tower County Administration	Public safety	Sheriff	Construct a communications tower and prefabricated radio vault behind County Administration for Sheriff's Office radio system	Removes antennas from historic courthouse, relocates Sheriff radios and infrastructure from basement of Courthouse to a modern prefabricated facility.	Planning process nearly complete. Received estimated budget to complete project. Working on bid package. Purchased cabinet. Will complete purchase of monopole by end of FY 2016.	In Process
1	Dixon Mine Road - Wolf Creek Bridge Replacement	Roads, bridges and infrastructure	CDA	Replacement of deficient bridge over Wolf Creek on Dixon Mine Road. Includes minor realignment of the road approach.	Aging 2 lane timber bridge in need of replacement. Deficient per Caltrans ratings. Serves existing grazing and recreational uses in the area	Construction anticipated FY 16/17; fully funded through the Highway Bridge Program (federal funds), no local match requirement	In Process
1	Hot Springs Creek (AKA Markleeville Creek) Bridge Replacement	Roads, bridges and infrastructure	CDA	Replacement of deficient bridge over Hot Springs Creek. Includes minor realignment of the road approach.	Replacement of a concrete bridge considered deficient per Caltrans ratings. Serves Grover Hot Springs State Park, National Forest trailheads and residences.	Construction anticipated to begin in FY 18/19; major portion of construction in FY 19/20; 11.47% local match requirement funded in the STIP, this funding is currently in jeopardy due to state transportation funding crisis.	In Process

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1	Markleeville Library Parking Lot Drainage and Disabled Access Improvements	Building	CDA	Correct an existing drainage problem at the library parking lot and provide code compliant disabled access parking and building access to both the library and archives.	Storm water and snow melt currently sheet flow across the parking area causing a safety problem. Existing parking and building access does not meet ADA requirements.	Was funded in FY 2016 budget but project delayed to FY 2017. May delay further and use funding for Bear Valley parking lot repair which is higher priority.	Needs funding
1	Perry Walther Parking Lot Reconstruction, Bear Valley	Roads, bridges and infrastructure	CDA	Reconstruction of the Perry Walther parking lot in Bear Valley, including correcting drainage deficiencies, adding structural base materials and repaving.	The Perry Walther parking lot is in very poor condition and is at risk of complete failure within 1-2 years. A complete reconstruction is needed to preserve this County asset.	A very cursory review was done by the County Engineer approximately 4 years ago and the cost to properly reconstruct was estimated to be at least \$100,000. A new engineer's estimate is needed.	Preplanning
1	Server Replacement	Information technology	IT	Schedule to replace existing County servers over a ten year replacement period	Capital replacement plan should incorporate schedule replacing servers within ten years from placed in service date. This will ensure technology is kept up to date and minimize cascading failure events. Existing servers are beginning to fail resulting in emergency funding situations.	DA Server, AS 400 server due for replacement. Consider using GF surplus, unanticipated revenues as source of replacement funding.	Preplanning
2	Hot Springs Road Rehabilitation - Phase 1	Roads, bridges and infrastructure	CDA	Reconstruction of Hot Springs Road from Laramie Street in Markleeville to Pleasant Valley Road, approx. 0.8 miles. The project will include minimal widening of shoulders to accommodate bicycle traffic but will not include a fully widened Class II bike way.	Major collector road in need of rehabilitation as identified in the County's Pavement Management Plan. This road serves residential areas and important recreation and tourist destinations. It's pavement rating is the poorest of all County collector roads.	Fully funded for PA&ED (planning and environmental documentation); funding for PS&E (plans, specifications and estimates) programmed in STIP but not yet allocated by State. Construction funds proposed in STIP but not programmed or allocated.	In Process
2	Hot Springs Road Rehabilitation - Phase 2	Roads, bridges and infrastructure	CDA	Reconstruction of Hot Springs Road from Pleasant Valley Road to Grover Hot Springs State Park, approx. 2.4 miles. The project will include widening of shoulders to accommodate a Class II bike way..	Major collector road in need of rehabilitation as identified in the County's Pavement Management Plan. This road serves residential areas and important recreation and tourist destinations. It's pavement rating is the poorest of all County collector roads.	Fully funded for PA&ED (planning and environmental documentation); funding for PS&E (plans, specifications and estimates) and construction not identified. Will apply for federal grant (FLAP) in fall 2017. FLAP funding requires 11.47% non federal match.	Needs funding

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2	New District Attorney Office	Building	CDA	Construct a new District Attorney office on a site to be determined.	A new District Attorney office is necessary to address safety and security deficiencies identified by Trindel.	This likely would be a new County facility and as a result would increase operating costs for utilities, telephone, janitorial, insurance, etc.	Needs funding
3	Property tax system	Information technology	Finance	Purchase, install and conversion of Countywide Property Tax System for Assessor, Auditor and Tax Collector offices	Current system is older system and there is high risk it will no longer be supported. Also because of its age, system relies on outdated technology.	Crest used by 9-10 small counties. A few of these counties have migrated to newer systems. Implementation period is long such that early planning is essential for successful transition. This is a critical system for County operations.	On Hold
3	Expansion of Sheriff's Storage Facility	Building	Sheriff	Expansion of Sheriff's storage facility at County corporate yard in Woodfords. Includes expanded foundation, addition of three upright building supports. Add mezzanine upstairs section for records storage.	Current storage facility is at full capacity, additional space needed for large evidence, atv's, utility vehicle and several trailers, difficult to remove items from current facility because of density. Exceeded existing space available for records storage.		Needs funding
3	Type 3 Brush Truck (water tender replacement)	Fire prevention and/or equipment	EAF	Purchase of truck and equipment for a type 3 fire engine	Current extreme fire conditions create urgent need for larger brush truck. Current equipment only carries 150 gallons of water. This equipment could prevent a catastrophic fire event costing thousands of dollars.	Consider setting up purchase ahead of time and use reverted EMPG funding as it comes available. Consider accumulating mutual aid reimburse funds for replacement purposes.	Needs funding
4	Markleeville Creek Floodplain Restoration	Land improvement	Watershed	Reestablish floodplain of Markleeville at the guard station property. Includes removal of floodwalls, regrading and revegetation. Existing sewer mains will be relocated. Includes small parking area, trails and interpretive signs. Option to include a public restroom.	BOS has endorsed project. Provides ecosystem, infrastructure and community benefits.	Economic and recreational benefits may increase priority	Needs funding

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5	Solar rooftop panels on County facilities	Building	Administration	Purchase and install rooftop solar panels that would partially or fully generate electricity for County operated or owned facilities and result in some level of reduction of electricity costs to outside vendors/providers	Reduce utility payments to vendors. Annual electricity costs for facilities (courthouse, administration/sheriff, CDA, ISF, TRP/DA, library, archives, museum) is approximately \$42,000 per year. Helps reduce structural deficit	May not be economically viable if energy savings do not pay back cost of project over estimated useful life of the improvements, net of increased maintenance. At 4% interest, would take 23 years to break even. Legislation environment may limit ability to sell back excess energy.	Visioning
5	Finish Bear Valley Firehouse Upstairs	Building	Sheriff	Finish upstairs training room at the Bear Valley Firehouse	Facility is utilized by the Sheriff and Fire Department. Project started 10 years ago but left unfinished when funding ran out		Needs funding

CAPITAL IMPROVEMENT PLAN

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Future Projects

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Diamond Valley Road Rehabilitation - Move project to parking list.	Roads, bridges and infrastructure	CDA	Asphalt overlay of Diamond Valley Road from SR89 in Woodfords to SR88 in Paynesville, approx. 7.3 miles. Project can be split into three phases.	Major collector road in need of rehabilitation as identified in the County's Pavement Management Plan.		Needs funding
Sheriff's Office Firing Range	Building	Sheriff	Purchase or land exchange with USFS for firing range south of Markleeville	Current site has been site of law enforcement training for more than 40 years where lead deposited in the soil. Sheriff Office desires new facility for training. Other agencies also use the facility on a fee-arrangement basis.	Liability issue created by environmental contamination issues at the current 10 acre site.	Visioning
Melissa-Coray Interoperable Communications Site	Communications site	Sheriff	remove current building and replace with new panel building with integrated solar array. Install new ni-cad battery system and tower hardware retrofit. Helicopter access required.	60+ year old facility, services communication needs in Kirkwood area, Blue Lakes Recreation area and Mokelumne Wilderness. Serves as microwave hop to Mt. Reba.	All major environmental work is done. Major equipment and tools must be transported to site via helicopter. Recently repaired to restore it to its existing condition prior to wind damage.	Visioning
Static Water Tank for North County/Field Equipment Cache	Fire prevention and/or equipment	EAF	50,000 gallon static water tank on 1/3 acre with a 28x30 foot storage building	Community of Mesa Vista and associated communities in the Nort County area lack sufficient static water supply according to CDF guidelines and best fire fighting practices	Explore feasibility by conducting community focus groups. It may be possible to achieve same level of protection with a larger water tender strategically parked in area. Might be more effective to have a mobile/rolling water source instead of a static fixed water storage facility.	Visioning

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Public Safety and Education Facility	Building	EAF	Multi-engine bay with future paramedic capabilities to replace current Woodford's Firehouse. Would contain 4-5 class/meeting rooms with focus on public safety and resource management. Repurpose existing facility as Sheriff's equipment/SAR storage facility. Assumes build on existing County property	Current Woodford's firehouse do not meet needs of fire department. Does not comply with CALOSHA minimum standards for an engine bay. No appropriate facility for training or meetings. May reduce annual operating costs, including significant utility costs		Visioning
Bear Valley Corporation Yard	Other	CDA	Development of a corporation (public works) yard in BV to include areas for storing heavy equipment and materials, service bay for equipment maintenance and fueling station.	Project is desired by BV community to provide a location for equipment that is currently stored in public parking lot areas and within view of adjacent residential properties		Visioning
Alpine County Solar Project at Woodfords	Other	CDA	Install a 1000 kW solar field on approximately 10 acres of County-owned land near the Washoe Cemetery in Woodfords. The project would include ground mounted solar panels, battery storage building and extension of the 3-phase electrical power grid to the site.	Promotes local energy production, reduction of greenhouse gas emissions and use of renewable energy resources. Project is not a core County function, although the County would benefit through reduced costs for purchasing electrical power.	Project is proposed as part of the Renewable Energy Regional Exploration Study led by STPUD. The study is funded by the CA Energy Commission. Resource and Technical Feasibility Study prepared by EN2 Resources indicates the project may not be economically feasible without significant grant funding (approx. \$4.5M)	Visioning