



A Tradition of Stewardship
A Commitment to Service

Planning, Building, and Environmental Services

NAPA COUNTY WATERSHED SYMPOSIUM

“Plunging Forward”

May 15, 2015



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**YOU CAN'T CROSS THE SEA MERELY BY
STANDING AND STARING AT THE WATER.
Rabindranath Tagore**



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WHAT IS OUR VISION?

MISSION

The County of Napa is dedicated to preserving agriculture and the environment and to providing leadership and services to advance the health, safety and economic well-being of current and future generations.

VISION

The legendary wine destination of Napa Valley will be recognized as a thriving and sustainable community within an agricultural treasure.





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WHAT ARE OUR GOALS?

Goal CON-8: Reduce or eliminate groundwater and surface water contamination from known sources (e.g., underground tanks, chemical spills, landfills, livestock grazing, and other dispersed sources such as septic systems).

Goal CON-9: Control urban and rural storm water runoff and related non-point source pollutants, reducing to acceptable levels pollutant discharges from land-based activities throughout the county.

Goal CON-10: Conserve, enhance and manage water resources on a sustainable basis to attempt to ensure that sufficient amounts of water will be available for the uses allowed by this General Plan, for the natural environment, and for future generations.

Goal CON-11: Prioritize the use of available groundwater for agricultural and rural residential uses rather than for urbanized areas and ensure that land use decisions recognize the long-term availability and value of water resources in Napa County.

Goal CON-12: Proactively collect information about the status of the county's surface and groundwater resources to provide for improved forecasting of future supplies and effective management of the resources in each of the County's watersheds.

Goal CON-13: Promote the development of additional water resources to improve water supply reliability and sustainability in Napa County, including imported water supplies and recycled water projects.



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WHAT HAVE WE DONE?



- Agricultural Preserve
- Measures J and P
- Municipal Supply Reservoir Watershed Protections
- Groundwater protections in 'deficient' areas
- Groundwater Resources Advisory Committee
- Conservation Regulations
- 2008 General Plan
- Stream Setback Ordinance
- Water Efficient Landscape Ordinance



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WHAT ARE OUR FUTURE PLANS?

CON NR-2: The County shall seek grant funding and other support and establish a fisheries monitoring program(s) consistent with the efforts of the Watershed Information Center and Conservancy of Napa County in order to track the current condition of special-status fisheries and associated habitats in the County's watersheds. Programs will include tracking the effectiveness of BMPs, mitigation measures and ongoing restoration efforts for individual projects in the watersheds and the implementation of corrective actions for identified water quality issues that are identified as adversely impacting fisheries. Monitoring programs shall be conducted in coordination with the State and Regional Water Boards, California Department of Fish and Game, U.S. Fish and Wildlife Service, and National Oceanic and Atmospheric Administration National Marine Fisheries Service to the extent necessary.

CON NR-4: The County shall adopt an ordinance that prohibits construction activities within the channel of any waterway identified to contain existing or potential spawning habitat for special-status fish species during limited time periods of spawning activities.

CON WR-1: Develop basin-level watershed management plans for each of the three major watersheds in Napa County (Napa River, Putah Creek, and Suisun Creek). Support each basin-level plan with focused sub-basin (drainage-level) or evaluation area-level implementation strategies, specifically adapted and scaled to address identified water resource problems and restoration opportunities. Plan development and implementation shall utilize a flexible watershed approach to manage water resource quality and quantity. The watershed planning process should be an iterative, holistic, and collaborative approach, identifying specific drainage areas or watersheds, eliciting stakeholder involvement, and developing management actions supported by sound science that can be easily implemented.



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WHAT ARE OUR FUTURE PLANS?

CON WR-3: Update the Conservation Regulations to establish an appropriate protective buffer (e.g., a special protection zone) in areas that drain toward any intake structure associated with the County's sensitive domestic water supply drainages, requiring specific development and performance measures to protect water quality and balance property owners' ability to use their land, and stipulating that discretionary projects must be located outside of the project buffer where this is feasible.

CON WR-4: Implement countywide watershed monitoring program to assess the health of the County's watersheds and track the effectiveness of management activities and related restoration efforts. Information from the monitoring program should be used to inform the development of basin-level watershed management plans as well as focused sub-basin (drainage-level) implementation strategies intended to address targeted water resource problems and facilitate restoration opportunities. Over time, the monitoring data will be used to develop overall watershed health indicators, and as a basis of employing adaptive watershed management planning.

CON WR-5: Identify, map, and disseminate information on groundwater recharge areas to the extent feasible, and provide educational materials and resource information on ways of reducing and limiting the development of non-pervious surfaces in those areas.

CON WR-6: Establish and disseminate standards for well pump testing and include as a condition of discretionary projects that well owners provide to the County upon request information regarding the locations, depths, yields, drilling and well construction logs, soil data, water levels and general mineral quality of any new wells..



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WHAT ARE OUR FUTURE PLANS?

CON WR-7: The County, in cooperation with local municipalities and districts, shall perform surface water and groundwater resources studies and analyses, and work towards the development and implementation of an integrated water resources management plan (IRWMP) that covers the entirety of Napa County and addresses local and state water resource goals, including the identification of surface water protection and restoration projects, establishment of countywide groundwater management objectives and programs for the purpose of meeting those objectives, funding and implementation.

CON WR-8: The County shall monitor groundwater and interrelated surface water resources, using County-owned monitoring wells and stream and precipitation gauges, data obtained from private property owners on a voluntary basis, data obtained via conditions of approval associated with discretionary projects, data from the State Department of Water Resources, other agencies and organizations. Monitoring data shall be used to determine baseline water quality conditions, track groundwater levels, and identify where problems may exist. Where there is a demonstrated need for additional management actions to address groundwater problems, the County shall work collaboratively with property owners and other stakeholders to prepare a plan for managing groundwater supplies pursuant to State Water Code Sections 10750-10755.4 or other applicable legal authorities.

CON WR-9: The County shall adopt a Water-Efficient Landscape Ordinance for multi-family residential, industrial, and commercial developments regarding the use of water-efficient landscaping consistent with AB 325.

CON WR-9.5: The County shall work with the SWRCB, DWR, DPH, CalEPA, and applicable County and City agencies to seek and secure funding sources for the County to develop and expand its groundwater monitoring and assessment and undertake community-based planning efforts aimed at developing necessary management programs and Enhancements.



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WHAT ARE OUR FUTURE PLANS?

CON CPSP-3: The County shall conduct an audit within the next five years of County facilities to evaluate energy use, the effectiveness of water conservation measures, production of GHGs, use of recycled and renewable products and indoor air quality to develop recommendations for performance improvement or mitigation. The County shall update the audit periodically and review progress towards Implementation of its recommendations.

SAF-2.1: Participate in local, regional, and state education programs regarding fire, flood, and geologic hazards.

SAF-38.1: Provide staffing and other resources as necessary to regularly update and implement the Napa Operational Area Hazard Mitigation Plan (NOAHMP). Consider new information regarding climate change and the expected severity and/or frequency of weather events in updates to the NOAHMP.

CON CPSP-1: The County shall develop a greenhouse gas (GHG) emissions inventory measuring baseline levels of GHGs emitted by County operations through the use of electricity, natural gas, fossil fuels in fleet vehicles and County staff commute trips, and establish reduction targets.

CON CPSP-2: The County shall conduct a GHG emission inventory analysis of all major emission sources in the County by the year 2008 in a manner consistent with Assembly Bill 32, and then seek reductions such that emissions are equivalent to year 1990 levels by the year 2020. Development of a reduction plan shall include consideration of a “green building” ordinance and other mechanisms that are shown to be effective at reducing emissions.



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WHAT ARE WE DOING TODAY?

- Local Agency Monitoring Plan (LAMP)
- Municipal Separate Storm Sewer Systems (MS-4)
- Farm Water Quality Plans
- Groundwater Sustainability Plan
- Climate Action Plan
- WAA
- FEMA Flood CRS Program





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WHAT ARE WE DOING TODAY?

- Grants for small water supply systems
- Well Coordinating Group
- New California Building Code requirements
- Napa River restoration
- Update Conservation Regulations
- Expanding groundwater monitoring
- Agricultural Protection Advisory Committee





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**PLANS ARE ONLY GOOD INTENTIONS UNLESS
THEY IMMEDIATELY DEGENERATE INTO HARD WORK.
Peter Drucker**



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THANK YOU

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