NORTH COAST RESOURCE PARTNERSHIP

NORTH COAST IRWM IMPLEMENTATION PROJECTS BENEFITS SUMMARY

An overview of economic, social, ecological, and cultural benefits provided by North Coast Resource Partnership (NCRP) Integrated Regional Water Management (IRWM) implementation projects funded by Proposition 50 and Proposition 84.

NCRP projects include integrated local and regional solutions to water and wastewater infrastructure, stream and watershed enhancement, greenhouse gas emissions reduction, energy independence, forest health and local economic development. NCRP projects are selected via a rigorous and transparent process of scientific and technical review provided by the NCRP Technical Peer Review Committee.

PROJECT COMPOSITION

88 NCRP IRWM Implementation Projects Total

• 17 Proposition 50 Round 1 projects
• 4 Proposition 50 Round 2 projects
• 18 Proposition 84 Round 1 projects
• 13 Proposition 84 Round 2 projects
• 11 Proposition 84 Drought projects
• 25 Proposition 84 2015 projects

Watershed Management Areas (WMA)

• 6 projects in Eel WMA
• 18 projects in Klamath WMA
• 9 projects in Humboldt Bay WMA
• 24 projects in North Coast Rivers WMA
• 22 projects in Russian/ Bodega WMA
• 9 projects in Trinity WMA

Project Type

• 51 water/wastewater infrastructure projects (51/88 = 58%)
• 58 water quality improvement projects (58/88 = 66%)
• 51 water/wastewater infrastructure improvement and drinking water quality improvement projects
• 51 water supply reliability projects (58%)
• The above numbers do not add up to 100% because over half (51%) of the projects provided both water quality and supply reliability benefits

QUANTITATIVE BENEFITS

Water Supply and Water Quality

• Thirty-seven projects (42%) protect/ enhance instream flows, providing between $86 and $147 million dollars in benefits for environmental, agricultural, and municipal purposes
• Forty-seven (53%) projects assist with TMDL implementation by decreasing sediment, nutrient, or pathogen loads or through increases to instream flows, helping to ameliorate increased water temperatures during summer months
• Twenty-seven (31%) sediment reduction projects remove and/or stabilize over 6,405,991 cubic yards of sediment; the estimated economic benefit associated with these projects is between $50 and $58 million
• Miles of road decommissioned — 78.56; 103.81 miles of road upgraded
• Four projects avoid wastewater violations fines and penalties; two avoid water supply violations fines
• Forty-seven (53%) projects avoid TMDL enforcement and/or additional water quality projects

Salmonid Habitat

• Fifty-five projects (62.5%) protect or enhance North Coast coho, Chinook, and/or steelhead fisheries
• These fisheries projects provide an estimated economic benefit of between $23 and $114 million
• Twelve projects improve fish passage by opening at least 87 miles of instream habitat for spawning and rearing
• 30 projects have habitat restoration components; these projects collectively:
  » Install at least 81,947 native trees, shrubs, and grasses
  » Restore over 1,118 acres of riparian, wetland, or mixed hardwood/ conifer habitat
  » Restore/ enhance at least 91,256 linear feet (17.28 miles) of riparian habitat

The monetary benefits that this habitat restoration will yield over time are valued at between $100 and $200 million

• Ten projects include invasive non-native plant removal; these projects collectively remove invasive plants from at least 374 acres; the monetary benefit from these efforts is valued at between $459,338 and $689,008

• Thirteen projects have ongoing monitoring and data evaluation programs

Socioeconomic

• Forty projects (45%) protect the agricultural and resource-dependent heritage of farmers, ranchers, tribes, and other residents of the North Coast
• Thirty (34%) projects provide for social health and safety by improving access for emergency vehicles, improving impacted drinking water quality in Disadvantaged communities, and protecting public health through contaminant reduction
• Thirty-six projects (41%) reduce conflicts in areas where tensions exist between competing uses of water
• Thirty-two projects (36%) provide an education/ technology component that improves the human capital and potential of the North Coast
• Eighty-eight (100%) projects used local labor and supplies when possible and contribute to state goals for environmental justice and social equity

Approximately 613 jobs were created and maintained through implementation of these NCRP IRWM implementation projects

COST / BENEFIT RATIO

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