PALMDALE WATER DISTRICT

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March 12, 2012

Agenda for a Meeting
of the Water Supply & Reliability Committee of the Palmdale Water District
Committee Members: Gordon Dexter-Chair, Gloria Dizmang
to be held at the District's office at 2029 East Avenue Q, Palmdale

Friday, March 16, 2012

3:00 p.m.

NOTE: To comply with the Americans with Disabilities Act, to participate in any Board meeting please contact Dawn Deans at 661-947-4111 x103 at least 48 hours prior to a Board meeting to inform us of your needs and to determine if accommodation is feasible.

Agenda item materials, as well as materials related to agenda items submitted after distribution of the agenda packets, are available for public review at the District's office located at 2029 East Avenue Q, Palmdale. Please call Dawn Deans at 661-947-4111 x103 for public review of materials.

PUBLIC COMMENT GUIDELINES: The prescribed time limit per speaker is three-minutes. Please refrain from public displays or outbursts such as unsolicited applause, comments, or cheering. Any disruptive activities that substantially interfere with the ability of the District to carry out its meeting will not be permitted and offenders will be requested to leave the meeting.

Each item on the agenda shall be deemed to include any appropriate motion, resolution, or ordinance to take action on any item.

1) Roll call.

2) Adoption of agenda.

3) Public comments.

4) Action Items: (The public shall have an opportunity to comment on any action item as each item is considered by the Committee prior to action being taken.)

4.1) Consideration and possible action on approval of minutes of meeting held February 17, 2012.

4.2) Presentation of monthly water demand and supply status. (Water & Energy Resources Manager Pernula)

4.3) Consideration and possible action on Strategic Water Resources Plan. (Water & Energy Resources Manager Pernula)

5) Project updates.

5.1) Recycled Water Master Plan. (Water & Energy Resources Manager Pernula)

5.2) Garden Bar Water Supply and Power Project. (Water & Energy Resources Manager Pernula)

5.3) Water purchase opportunities. (Water & Energy Resources Manager Pernula)

5.4) Water Treatment and Transportation Agreement between Palmdale Water District and Antelope Valley East Kern Water Agency – Acton Water Treatment Plant. (Engineering Manager Knudson)

5.5) Littlerock Dam Sediment Removal Project. (Engineering Manager Knudson)

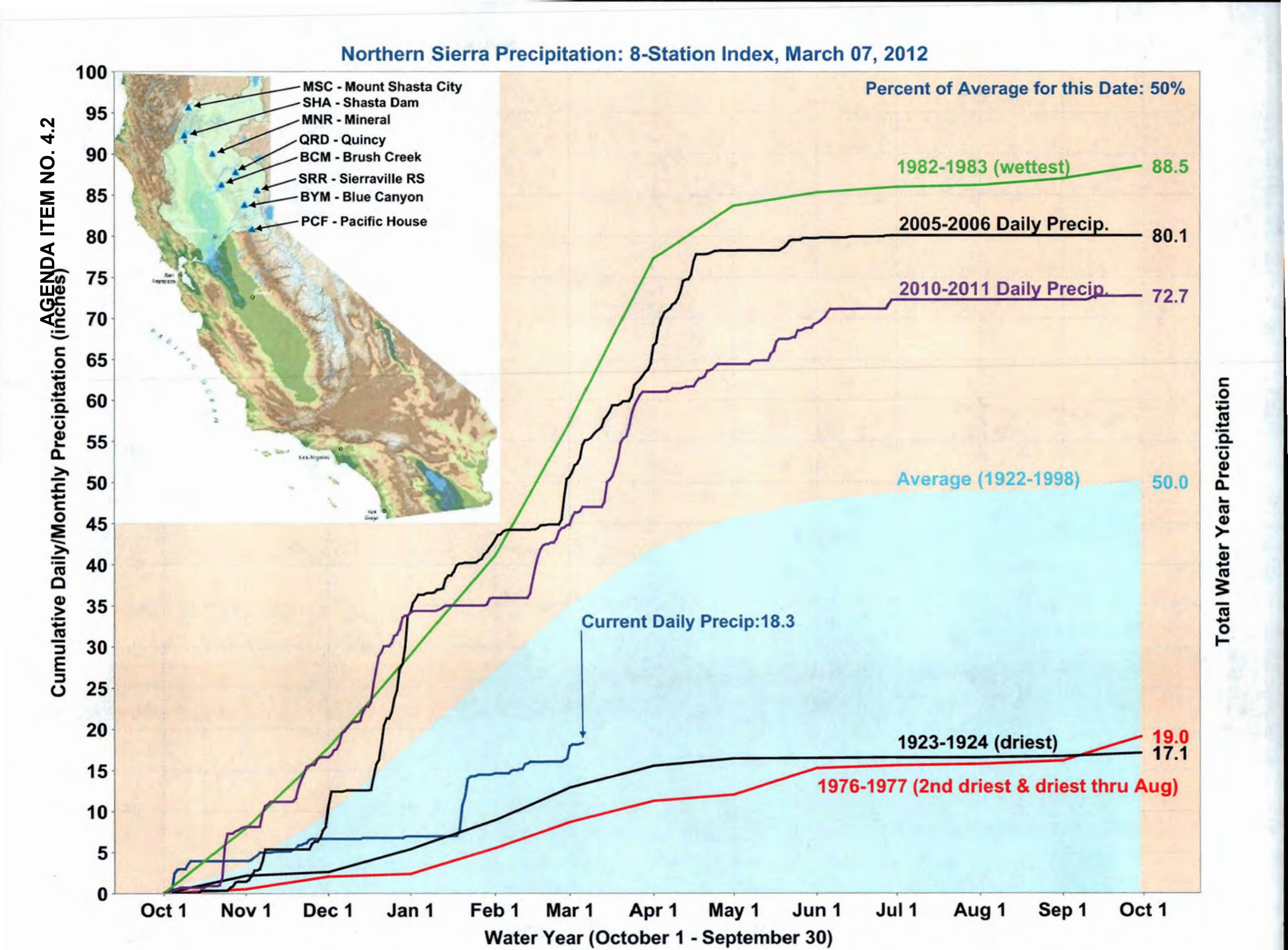
6) Information items.

7) Board members' requests for future agenda items.

8) Adjournment.

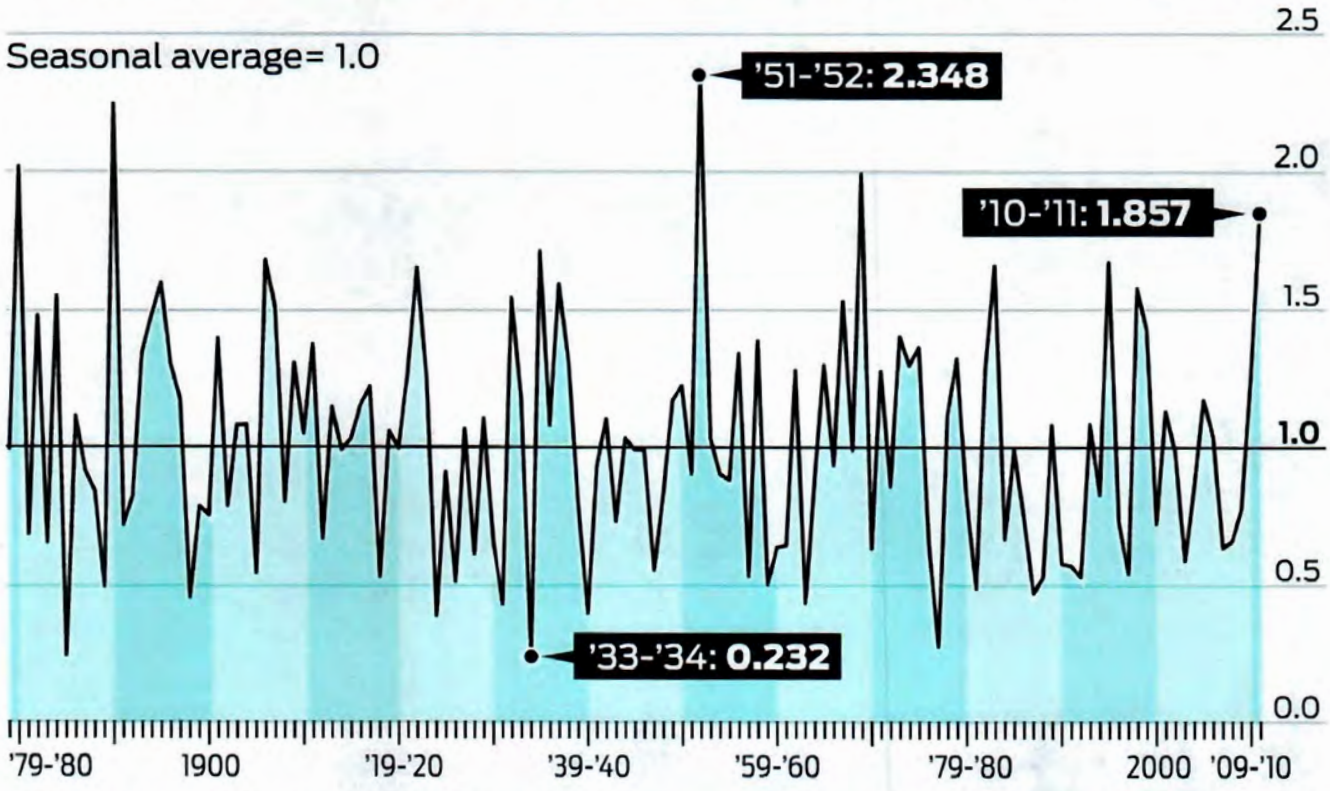
DENNIS D. LaMOREAUX,
General Manager

DDL/dd


Northern Sierra Precipitation: 8-Station Index, March 07, 2012
MSC - Mount Shasta City
SHA - Shasta Dam
MNR - Mineral
QRD - Quincy
BCM - Brush Creek
SRR - Sierraville RS
BYM - Blue Canyon
PCF - Pacific House
Percent of Average for this Date: 50%
1982-1983 (wettest)
88.5
2005-2006 Daily Precip.
80.1
2010-2011 Daily Precip.
72.7
Average (1922-1998)
50.0
Current Daily Precip:18.3
1923-1924 (driest)
19.0
17.1
1976-1977 (2nd driest & driest thru Aug)
Cumulative Daily/Monthly Precipitation (inches)
Total Water Year Precipitation
Water Year (October 1 - September 30)
Oct 1
Nov 1
Dec 1
Jan 1
Feb 1
Mar 1
Apr 1
May 1
Jun 1
Jul 1
Aug 1
Sep 1
Oct 1
0
5
10
15
20
25
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50
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65
70
75
80
85
90
95
100

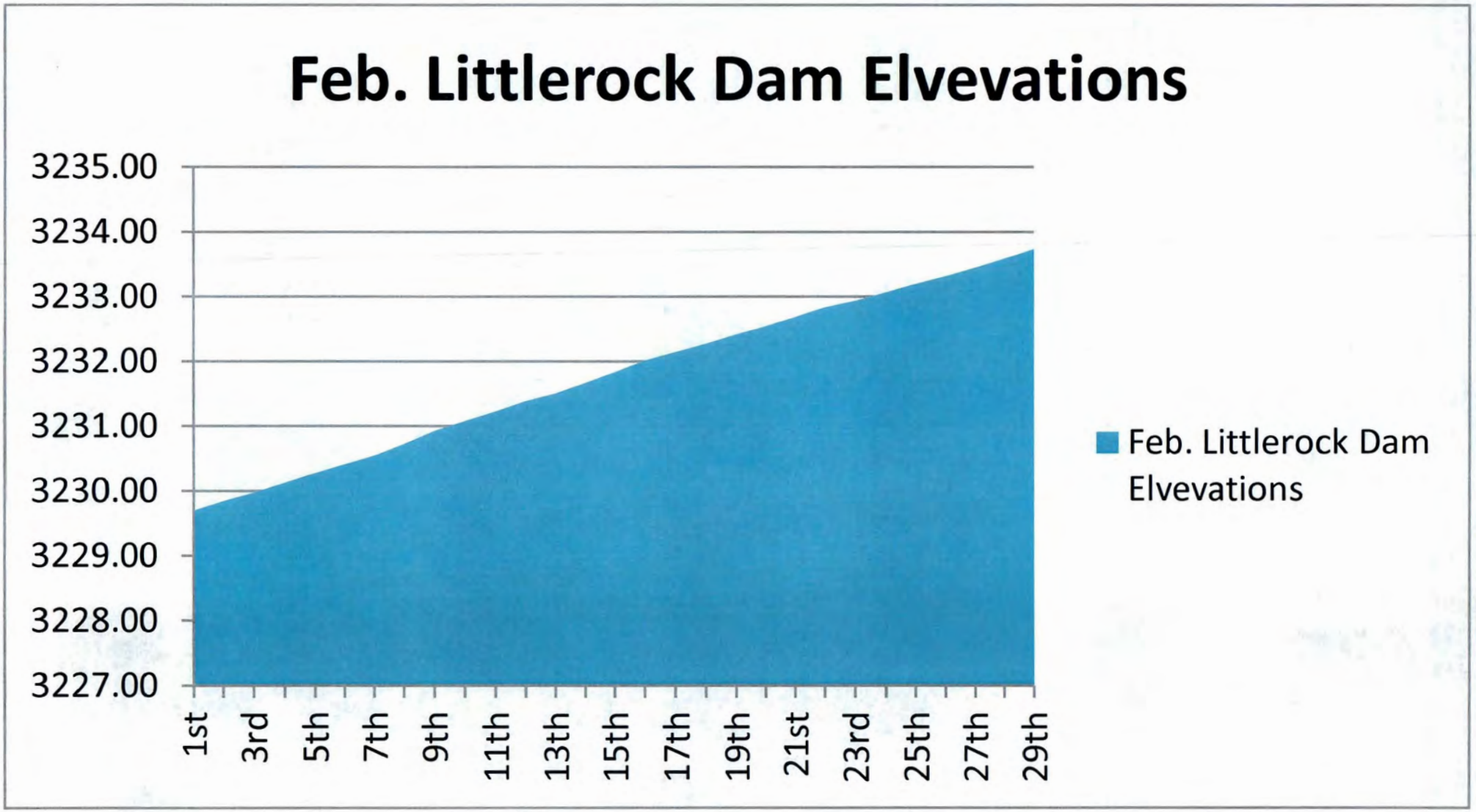
Western slope Sierra snowfall average

Chart shows seasonal (Nov.-Apr.) snowfall amounts relative to a long-term average of 1.0. Depending on where you are in the Sierra snowfall totals could range from about 100 inches to 200 inches per year.



Source: John R. Christy, University of Alabama

John Blanchard / The Chronicle


Feb. Littlerock Dam Elvevations
3235.00
3234.00
3233.00
3232.00
3231.00
3230.00
3229.00
3228.00
3227.00
1st
3rd
5th
7th
9th
11th
13th
15th
17th
19th
21st
23rd
25th
27th
29th
Feb. Littlerock Dam Elvevations

Month	Five-Year Aver. Consumption (ac.-ft.)	Projected 2012 Consumption (ac.-ft.)	Actual 2012 Consumption (ac.-ft.)	Difference (Act. - Pred.) (ac.-ft.)
Jan.	1232.2	**1,100.0**	**969.0**	**-131.0**
Feb.	1180.0	**1,000.0**	**989.1**	**-10.9**
March	1130.9	**1,050.0**	0.0	0.0
April	1569.5	**1,350.0**	0.0	0.0
May	1862.1	**1,550.0**	0.0	0.0
June	2602.4	**1,900.0**	0.0	0.0
July	3094.9	**2,200.0**	0.0	0.0
Aug.	2842.5	**2,250.0**	0.0	0.0
Sept.	2871.7	**2,450.0**	0.0	0.0
Oct.	2496.7	**2,300.0**	0.0	0.0
Nov.	1780.3	**1,750.0**	0.0	0.0
Dec.	1371.2	**1,600.0**	0.0	0.0
	24,034.3	**20,500.0**	**1,958.1**	**-141.9**

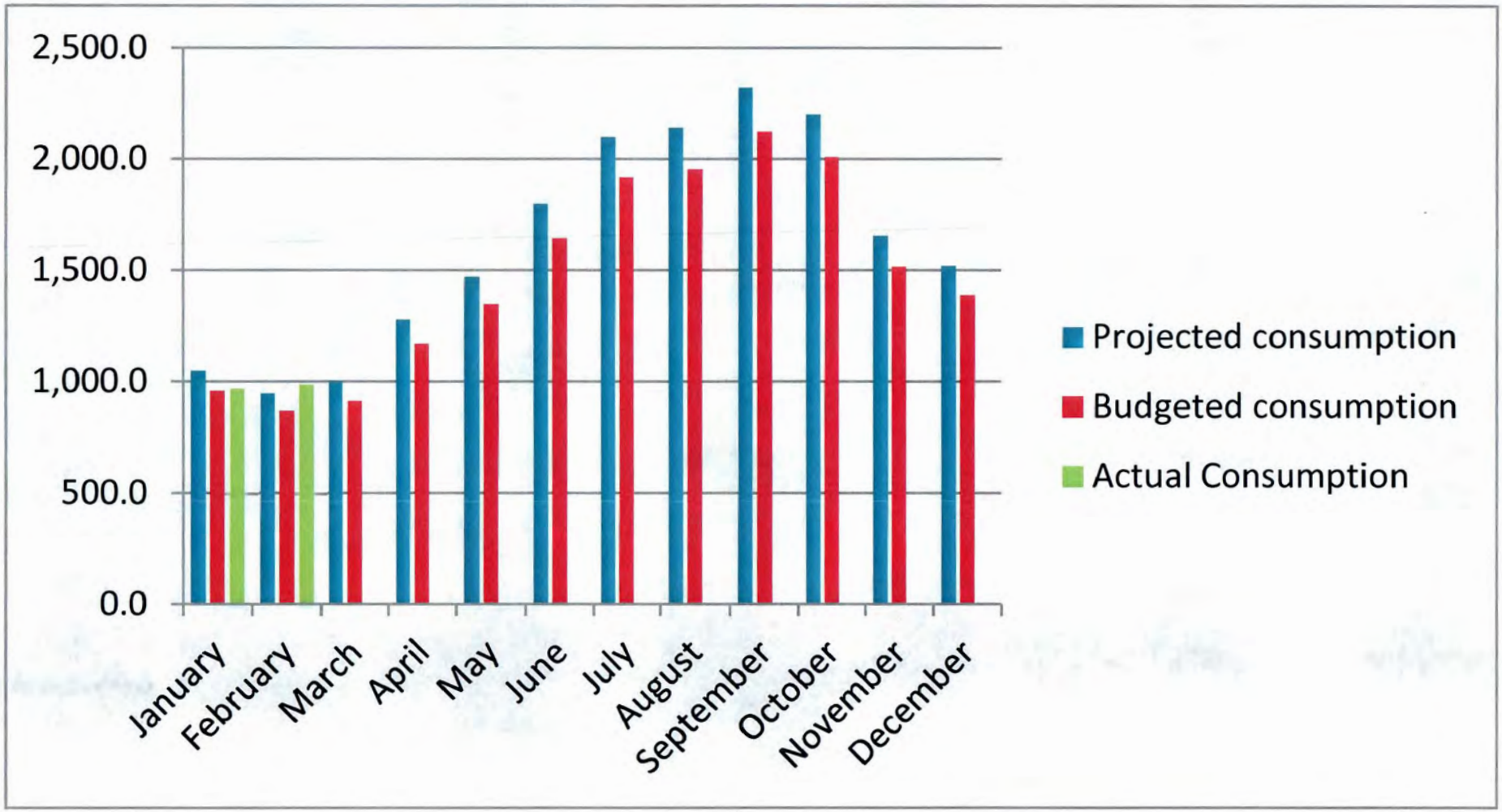
2005 thru 2009

21,500.0

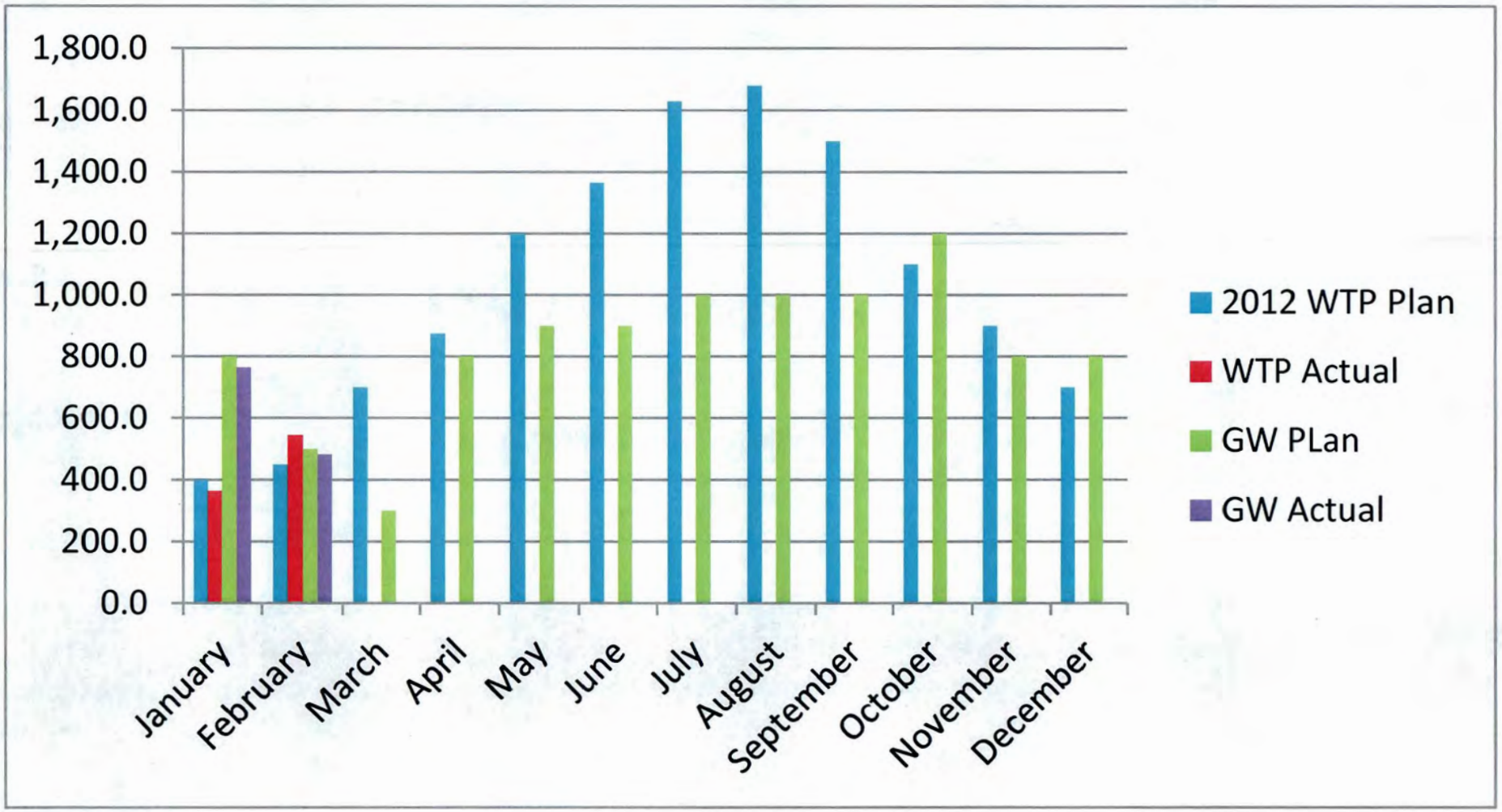
Month	Five-Year Aver. Production (ac.-ft.)	Projected 2012 Production (ac.-ft.)	Actual 2012 Production (ac.-ft.)	Difference (Act. - Pred.) (ac.-ft.)
Jan.	1249.1	**1,200.0**	**1,128.0**	**-72.0**
Feb.	1228.6	**950.0**	**1,027.7**	**77.7**
March	1610.9	**1,000.0**	0.0	0.0
April	1959.0	**1,675.0**	0.0	0.0
May	2585.3	**2,100.0**	0.0	0.0
June	2868.6	**2,265.0**	0.0	0.0
July	3318.8	**2,630.0**	0.0	0.0
Aug.	3257.3	**2,680.0**	0.0	0.0
Sept.	2697.0	**2,500.0**	0.0	0.0
Oct.	2191.4	**2,300.0**	0.0	0.0
Nov.	1727.2	**1,700.0**	0.0	0.0
Dec.	1269.7	**1,500.0**	0.0	0.0
	25,962.9	**22,500.0**	**2,155.7**	**5.7**

2005 thru 2009

23,500.0


2,500.0
2,000.0
1,500.0
1,000.0
500.0
0.0
January
February
March
April
May
June
July
August
September
October
November
December
Projected consumption
Budgeted consumption
Actual Consumption


3,000.0
2,500.0
2,000.0
1,500.0
1,000.0
500.0
0.0
Jan.
Feb.
March
April
May
June
July
Aug.
Sept.
Oct.
Nov.
Dec.
2012 Projected Consumption
2012 Actual Consumption
2012 Projected Production
2012 Actual production


1,800.0
1,600.0
1,400.0
1,200.0
1,000.0
800.0
600.0
400.0
200.0
0.0
January
February
March
April
May
June
July
August
September
October
November
December
2012 WTP Plan
WTP Actual
GW PLan
GW Actual

2012

MONTHLY TOTALS				
MONTH	TOTAL af	SW af	GW af	SW %
January	**1,128.0**	**363.80**	**764.20**	**32.25%**
February	**896.8**	**544.90**	**482.80**	**60.76%**
March	0.00	0.00	0.00	
April	0.00	0.00	0.00	
May	0.00	0.00	0.00	
June	0.00	0.00	0.00	
July	0.00	0.00	0.00	
August	0.00	0.00	0.00	
September	0.00	0.00	0.00	
October	0.00	0.00	0.00	
November	0.00	0.00	0.00	
December	0.00	0.00	0.00	

Running Averages	SW	GW
January	**32.25%**	**67.75%**
Jan. thru February	**46.51%**	**60.79%**
Jan. thru March	0.00%	0.00%
Jan. thru April	0.00%	0.00%
Jan. thru May	0.00%	0.00%
Jan. thru June	0.00%	0.00%
Jan. thru July	0.00%	0.00%
Jan. thru August	0.00%	0.00%
Jan. thru September	0.00%	0.00%
Jan. thru October	0.00%	0.00%
Jan. thru November	0.00%	0.00%
Jan. thru December	0.00%	0.00%

DRAFT 2012 Water Production Plan @ 50% Allocation

Month	Raw Surface Water Sources							Water Production						Metered Water	
	Surface			Water		Evaporation	Total	WTP		Groundwater		Total			
	Carry Over (ac-ft) *	Banking & Exchange (ac-ft) from CO *	dr/yr + YA (ac-ft)	PWD/SWP (ac-ft)	LrD (ac-ft)	Plan (ac-ft)	Plan (ac-ft)	Plan (ac-ft)	Actual (ac-ft)	Plan (ac-ft)	Actual (ac-ft)	Plan (ac-ft)	Actual (ac-ft)	Plan (ac-ft)	Actual (ac-ft)
January	0.0	2850.0	0.0	1327.8	0.0	0.00	1,327.8	400.0	363.8	800.0	764.2	1,200.0	1,128.0	1,050.0	969
February	0.0	0.0	0.0	610.4	0.0	0.00	610.4	450.0	544.9	500.0	482.8	950.0	1,027.7	950.0	989
March	0.0	0.0	0.0	500.0	0.0	0.00	0.0	700.0	0.0	300.0	0.0	1,000.0	0.0	1,000.0	0
April	0.0	0.0	0.0	550.0	0.0	-75.00	0.0	875.0	0.0	800.0	0.0	1,675.0	0.0	1,280.0	0
May	0.0	0.0	0.0	650.0	0.0	-50.00	0.0	1,200.0	0.0	900.0	0.0	2,100.0	0.0	1,475.0	0
June	0.0	0.0	0.0	700.0	0.0	-135.00	0.0	1,365.0	0.0	900.0	0.0	2,265.0	0.0	1,800.0	0
July	0.0	0.0	0.0	900.0	0.0	-285.00	0.0	1,630.0	0.0	1,000.0	0.0	2,630.0	0.0	2,100.0	0
August	0.0	0.0	0.0	1950.0	0.0	-270.00	0.0	1,680.0	0.0	1,000.0	0.0	2,680.0	0.0	2,140.0	0
September	0.0	0.0	0.0	1710.0	0.0	-210.00	0.0	1,500.0	0.0	1,000.0	0.0	2,500.0	0.0	2,325.0	0
October	0.0	0.0	0.0	1100.0	0.0	-135.70	0.0	1,100.0	0.0	1,200.0	0.0	2,300.0	0.0	2,200.0	0
November	0.0	0.0	0.0	900.0	0.0	-50.00	0.0	900.0	0.0	800.0	0.0	1,700.0	0.0	1,660.0	0
December	0.0	0.0	0.0	740.0	0.0	-39.30	0.0	700.0	0.0	800.0	0.0	1,500.0	0.0	1,520.0	0
	0.00	2,850.0	0.0	1,327.8	-	(1,250.00)	1,938.20	12,500.0	908.7	10,000.0	1,247.00	22,500.0	2,155.7	19,500.0	1,958
Allocated Total Use:	0.0	7,133.0	0.0	10,650.0	3,500.0	1,250.0	10,650.0	12,500.0	11,000.0	10,000.0	9,000.00	22,500.0	21,500.00	19,500.0	18,500.0
Actual C.O. from 2011	7,133.0	7,133.0		0.0											1,958.1
Remaining Allotment:	0.0	4,283.0	0.0	9,322.2	3,500.0	0.0	8,711.8	0.00	-10,091.3	0.0	-7,753.00	0.00	19,344.30	0.0	16,541.9
Banked in Nov-Dec 2011		1,128.0													
Total:	0.0	0.0	0.0	12,780.0	0.0	-1,250.0	12,500.0								
AVAILABLE FOR CARRYOVER	0.0	1,105.0	0.0	9,322.2	0.0		10,427.2								

AGENDA ITEM NO. 5.3

Environmental Consulting & Natural Resource Management

NorthStar

ENVIRONMENTAL DIVISION

Formerly Gallaway Consulting

111 MISSION RANCH BLVD, STE 100, CHICO CA 95926
PHONE (530) 343-8327 • FAX (530) 893-2113

Proposal for Services

For the Preparation of
CEQA Compliance Documentation
for a Long-Term Table A Water Transfer Agreement
Between Butte County and Palmdale Water District

2011



www.northstareng.com

Proposal for Services

For the Preparation of
CEQA Compliance Documentation
for a Long-Term Table A Water Transfer Agreement
Between Butte County and Palmdale Water District

Submitted to:
Mr. Jon M. Pernula
Palmdale Water District
2029 East Avenue Q
Palmdale, CA 93550

Submitted by:
Ms. Kamie Loeser, M.A.
NorthStar Engineering, Environmental Division
111 Mission Ranch Blvd., Suite 100
Chico, CA 95926
(530) 343-8327
kloeser@gallawayconsulting.net

December 19, 2011



NorthStar
ENVIRONMENTAL DIVISION
Formerly Gallaway Consulting

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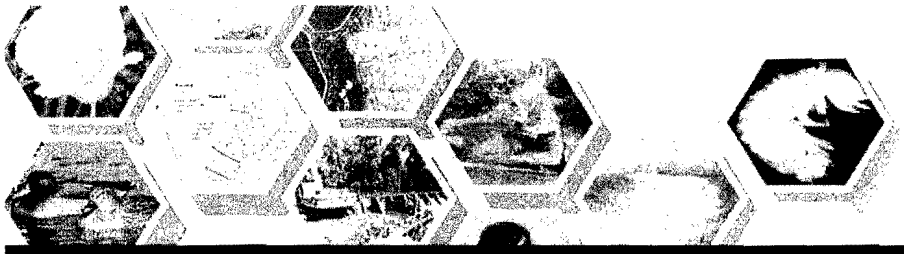
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PROJECT UNDERSTANDING

Butte County's surplus State Water Project (SWP) Table A water has historically been pooled and distributed as part of the overall annual SWP allocations to the State Water Contractors and has subsequently been delivered through the SWP to southern California.

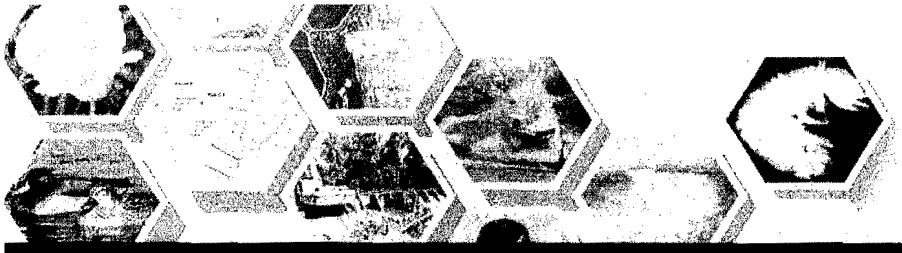
The "proposed project" is a Table A water long-term transfer agreement between Butte County and the Palmdale Water District. The District is pursuing a ten-year agreement, with an option for an additional 10-year extension, to acquire Butte County's surplus Table A water. The agreement would improve the District's dry-year reliability and to help meet its existing anticipated demands over the next ten years. The proposed transfer would include up to 10,000 acre-feet of Table A water.

Typically, temporary changes involving the transfer of water that was previously stored are exempt from CEQA, under a Class 1-Existing Facilities Categorical Exemption (CEQA Guidelines Section 15301). However, Responsible Agencies must consider potential impacts to other legal users of the water and to fish, wildlife, or other in-stream beneficial uses. The preparation of an IS/ND at this stage of the planning process would provide the opportunity to evaluate and determine whether or not the proposed long-term agreement would result in any of the "Mandatory Findings of Significance" or potentially result in growth inducing impacts per CEQA. Responsible Agencies can use this IS/ND to make their findings, thereby streamlining any subsequent permitting, approval and/or environmental review processes.

PROJECT APPROACH

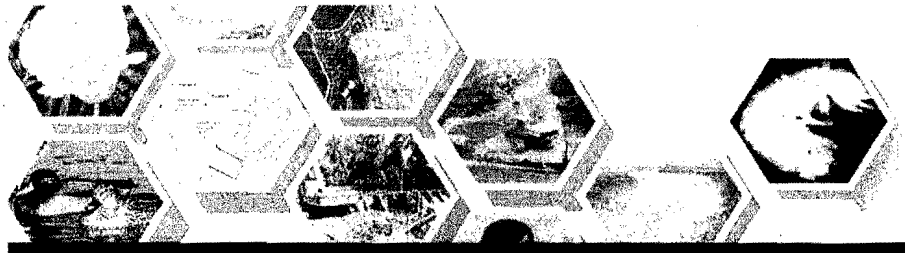
NorthStar Engineering's Environmental Division (NorthStar) will work with the Palmdale Water District (District), Butte County Department of Water and Resource Conservation (BCDWRC), and Department of Water Resources (DWR) to prepare the appropriate California Environmental Quality Act (CEQA) documentation for the proposed project.

Ms. Kamie Loeser, M.A., Senior Environmental Planner, will serve as the Project Manager and primary point of contact for this project. Ms. Loeser will work closely with the District to conduct the following: adequately describe the project, identify and analyze the potential environmental impacts per CEQA, prepare the appropriate CEQA document (for this project it is assumed that the proposed project would result in the preparation of a Negative Declaration), prepare responses to comments received during public review, and attend public hearings for adoption of the CEQA document and approval of the long-term agreement. NorthStar will provide all necessary technical support to see the environmental documentation through to adoption.



In May 2008, the Palmdale Water District prepared an Initial Study/Negative Declaration (IS/ND) for a short-term emergency Table A water transfer for 2008 and 2009. To provide for a more streamlined environmental review process, the 2008 IS/ND will serve as a template for the current CEQA documentation and expanded as appropriate to reflect the current proposed project. As part of this proposed environmental review process, the following will be reviewed, updated, and incorporated into the Long-Term Table A Water Transfer IS/ND to reflect current conditions and needs:

- The Purpose and Need for the proposed project will be updated, including PWD Water Supply and Demand Management.
- Water Availability and Transfer, updates to the regulatory parameters for operations of the SWP, including all applicable Biological Opinions' requirements that govern pumping, any new applicable court orders and environmental concerns (including any change in listed species).
- Historic Use of Butte County SWP Table A Water; identification of in-County users, including Del Oro Water Company and California Water Service.
- Butte County's 2030 General Plan and applicable goals and policies pertaining to Table A water use (for consistency with the Land Use and Planning Section of the IS/ND).
- Project Background, discussion of the Turn-Back Water Pool Program, and any other changes to SWP Table A processes, as deemed necessary.
- Discussion items will include the "long-term" aspect of this transfer and whether or not it is considered a "reliable" long-term source of water that would result in growth inducing impacts. For this analysis, it is assumed that this water would allow the District to meet its current and projected water demand, based on existing long-range planning.
- Initial Study Checklist to reflect additions to CEQA Guidelines Appendix G that went into effect March 2010 (i.e., Greenhouse Gas Emissions Section).
- Under each Environmental Topic identified in the Initial Study Checklist, a discussion will be provided that 1) describes baseline conditions and 2) reference information sources that describe why the project would have "no impact" on the environment or explain why the project would result in a "less than significant impact." Documents will be incorporated by reference per CEQA and the location where these documents are available for review.



- The Biological Resources section will be updated to reflect threatened and endangered Delta fish species that are directly and indirectly impacted by SWP operations and applicable Biological Opinions, court orders, and any new/revised/updated studies that have been prepared since 2008.

- Mandatory Findings of Significance will discuss cumulatively considerable environmental effects that may potential result from the long-term contract. Information from the 2008 IS/ND will be updated and expanded as necessary to reflect current conditions and the potential impact associated with the long-term water transfer.

- Other project specific information and analyses will included in the IS/ND as identified during the project kickoff and data collection portion of this scope of work.

SCOPE OF WORK

Task 1 – Project Initiation and Data Collection

The NorthStar Project Manager will conduct a project kick-off meeting with the Palmdale Water District staff (this meeting can be combined with Task 2, below). The purpose of this meeting will be to outline procedural/processing requirements, finalize the deliverables schedule, identify and obtain all relevant documentation, and resolve any other outstanding issues.

Specifically, the project initiation meeting will include the determination that an IS/ND is the appropriate CEQA documentation for the long-term water transfer.

As part of project initiation, NorthStar staff will review all existing and relevant material to identify any gaps in information. A list of anticipated data needed to complete the IS/ND will be provided to the District prior to the project kick-off meeting. Specific attention will be directed towards developing a coherent Project Description and environmental significance criteria from which potential impacts will be measured.

Assumptions for Task 1:

- The District will provide NorthStar with any additional documents that are not available on the District's or Responsible Agencies' website, either in print copy or electronically. This information shall be provided to NorthStar prior to project kick-off meeting.

Task 2 – Coordination and Consultation with Lead Agency and Responsible Agencies

Because each Responsible Agency may need to conduct its own environmental review as part of subsequent permitting or approval processes, it is imperative that the Water Transfer IS/ND address all potential environmental effects to help streamline subsequent approval process.

The NorthStar Project Manager will coordinate and facilitate, with the assistance of the District, a coordination and consultation meeting with the Lead Agency and Responsible Agencies' representatives to ensure that all issues are identified and subsequently addressed in the IS/ND. Participants at this meeting would include representatives from the Department of Water Resources (DWR) and the Butte County Department of Water and Resource Conservation (BCDWRC). The District may identify other participants, as deemed necessary.

Assumptions for Task 2:

- Unless otherwise specified, NorthStar will use the CEQA Guidelines, Appendix G, Environmental Checklist to serve as the basis of CEQA analysis.

Task 3: CEQA Environmental Documentation

Subtask 3a - Preparation of Initial Study/Negative Declaration

This subtask includes the preparation of the Initial Study/Negative Declaration (IS/ND) for the proposed project. This task includes the preparation of an Administrative Draft IS/ND for review by the District and Responsible Agencies (DWR and BCDWRC) and a Public Review IS/ND.

NorthStar will prepare an IS/ND for the proposed project according to CEQA Guidelines Section 15063(d). The IS/ND will be based on our understanding of the proposed project and will include an evaluation of the following topic areas:

- Aesthetics
- Agricultural and Forest Resources
- Air Quality
- Biological Resources
- Cultural Resources
- Geology and Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning

- Mineral Resources
- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation/Traffic
- Utilities and Service Systems
- Mandatory Findings of Significance

The IS/ND will generally contain the following, per CEQA Guidelines Section 15063(d):

1. A description of the project including the location of the project and the project boundaries. The project description will rely on the conditions and parameters of the proposed water transfer. A regional context/vicinity map will also be included. NorthStar will provide a description of the District's water supply and use, Butte County's water supply and allocation, and a background of the SWP's operations to establish a baseline for analysis.

2. A description of the environmental setting and baseline conditions for each topic area.

3. Using the Environmental Checklist, NorthStar will analyze the project's environmental effects. The analysis will include a narrative of each issue to support the conclusion. Information and documentation incorporated by reference will be briefly summarized and adequately referenced. NorthStar will create a digital library of all reference material to provide to the District and BCDWRC, which will be made available to the public for review.

4. It is anticipated that environmental effects would result a finding of no impact or less than significant impact.

5. A discussion of required project approvals.

6. An examination of whether the project would be consistent with existing plans and other applicable land use controls.

7. A description of assumptions and methodology used in the environmental analysis.

8. Mandatory Findings of Significance will include: the project's potential to degrade the quality of the environment; address cumulatively considerable impacts; and a determination of direct and/or indirect adverse impacts on humans.

9. List of Preparers and References.

Deliverables for Task 3a:

Administrative Draft IS/ND.

An Administrative Draft IS/ND will be prepared and submitted to the District for review and comment. Based upon previous experience for similar projects, it is recommended that copies of the Administrative Draft IS/ND will be circulated to DWR and BCDWRC for review and comment prior to releasing the document for public review.

- District: Five (5) print copies, plus one (1) electronic copy.
- BCDWRC: Five (5) print copies, plus one (1) electronic copy.
- DWR: Five (5) print copies, plus one (1) electronic copy.

Public Review Draft IS/ND.

Following comments from the District and Responsible Agencies, NorthStar will revise the IS/ND (assumes comments would be limited to additional information that provides clarification and understanding for the layperson and minor editing) and prepare a Public Review IS/ND for public circulation and submitted to the State Clearinghouse (SCH) for the required 30 day public review period.

- SCH: fifteen (15) print copies for submittal to the State Clearinghouse (SCH); one (1) electronic copy for the SCH.
- District: Ten (10) print copies for the District; one (1) electronic copy for the District;
- BCDWRC: Ten (10) print copies for the District; one (1) electronic copy for the District;
- DWR: Five (5) print copies, plus one (1) electronic copy.

Assumptions for Task 3a:

- It is assumed that the District and BCDWRC will distribute copies of the IS/ND to appropriate agencies not included as part of the SCH distribution.

Task 3b - Public Noticing

NorthStar will draft the Notice of Availability with the Intent to Adopt a Negative Declaration (CEQA Guidelines Section 15072) for use by the District and BCDWRC.

Deliverables for Task 3a:

- One (1) print copy of the Notice of Availability; one (1) electronic copy.

Assumptions for Task 3b:

- The District and BCWRCD will be responsible for the publication, posting, or direct mailing of all public notices.

Task 4: Responses to Comments Document

Following public review of the IS/ND, the District will provide NorthStar with the comments received on the IS/ND. NorthStar will respond to comments and prepare a "Responses to Comments" Document for review and comment by the District and BCDWRC. Following review and comment by the District and BCDWRC, NorthStar will finalize the Responses to Comments Document to be included as part of the staff reports that will be considered by the District Board and the Butte County Board of Supervisors.

Deliverables for Task 4:

Administrative Responses to Comments Document.

An Administrative Responses to Comments Document will be prepared and submitted to the District, BCDWRC and DWR for review and comment.

- District: Five (5) print copies, plus one (1) electronic copy.
- BCDWRC: Five (5) print copies, plus one (1) electronic copy.
- DWR: Five (5) print copies, plus one (1) electronic copy.

Final Responses to Comments Document.

- District: Ten (10) print copies for the District; one (1) electronic copy for the District;
- BCDWRC: Ten (10) print copies for the District; one (1) electronic copy for the District;
- DWR: Five (5) print copies, plus one (1) electronic copy.

Assumptions for Task 4:

- The amount and complexity of comments that may be received on the IS/ND is unknown. For budgeting purposes, the cost estimate associated with this task assumes that up to 50 individual comments of varying detail will be received, and that each comment response will require an average of one-half hour of staff time to complete a draft response (one comment letter may have multiple comments). It is assumed that responses will consist of clarifying information presented in the IS/ND and that no new analyses, research or documentation will be necessary in order to respond to comments.

Task 5: Public Hearing to Adopt the IS/ND

CEQA Guidelines Section 15074(b) requires the decision-making body of the Lead Agency to 1) consider the proposed ND together with any comments received during the public review process and 2) adopt the proposed ND if it finds that there is no substantial evidence that the project will have a significant effect on the environment.

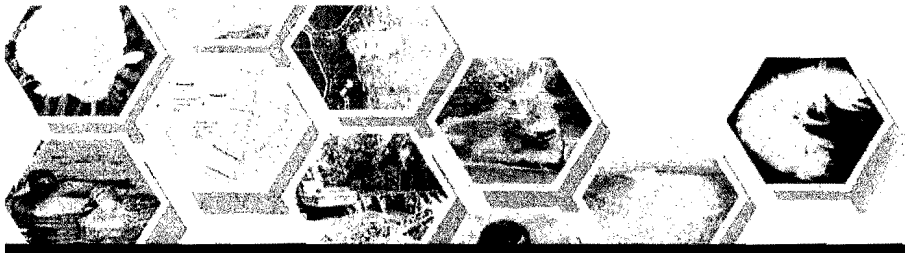
The NorthStar project manager will be available to attend up to twp (2) public hearings to adopt the IS/ND. It is anticipated that a public hearings before the District Board and Butte County Board of Supervisors will be necessary.

Assumptions for Task 5:

- It is assumed that the District will prepare and file with the Kern County, County Clerk the Notice of Determination, including DFG filing fees, once the project has been approved.
- Copy of the receipt for payment of the DFG filing fees will be provided to NorthStar. NorthStar will process the Notice of Determination with the Butte County, County Clerk on the District's behalf.
- Because of the DWR's involvement with the proposed project, NorthStar will coordinate with DWR to ensure that a Notice of Determination is also submitted to the Office of Planning and Research (OPR). Based on prior experience with similar projects, DWR submitted the appropriate documentation to OPR.

Task 6: Project Management and Meetings

This task includes project management and coordination activities conducted by NorthStar throughout the CEQA process. The project will be managed to ensure the prompt delivery of the



IS/ND work product, control of the budget and scope, and coordination between NorthStar staff, the District, BCDWRC, and DWR. Maintaining the project schedule and identifying and responding to issues that may arise, requires frequent and effective communication between NorthStar and the District.

In addition, the NorthStar Project Manager will serve as an agency liaison between the District and all Responsible Agencies during the CEQA process. NorthStar will be available to attend up to four (4) project meetings and four (4) conference calls (in addition to the those identified in Tasks 1 and 2), as deemed necessary by the District. Meetings may include status meetings with District staff, additional consultation with Responsible Agencies, receiving comments on the IS/ND and determining approach to responses, public hearing preparation and presentation meetings.

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Cost Estimate

Task	Description	Project Manager	Senior Planner	Senior Review	Staff	Admin	Hours	Cost	Total Cost
Task 1	Project Initiation and Data Collection	4	14				18	$ 1,680	$ 1,680
Task 2	Meeting/Consultation with Lead Agency & Responsible Agencies	8					8	$ 840	
Task 3	Preparation of Draft IS/ND		80	8	8		96	$ 8,400	$ 8,400
	Admin Draft IS/MND (Doc Compilation)		16			12	28	$ 2,100	
	Public Review IS/MND		8			16	24	$ 1,600	
Task 4	Responses to Comments Document		40	8			48	$ 4,320	$ 6,120
	Admin. Draft (Doc Compilation)		8				8	$ 720	
	Final Responses to Comments		4	8			12	$ 1,080	
Task 5	Public Hearings (up to 2 hearings)		12				12	$ 1,080	$ 1,080
Task 6	Project Management (Conf. Calls, status reports)	32					32	$ 3,360	$ 3,360
	Total Hours	44	182	24	8	28	286		
	Hourly Rate	$ 105	$ 90	$ 90	$ 60	$ 55			
	Total Labor Cost	$ 4,620	$ 16,380	$ 2,160	$ 480	$ 1,540		$ 25,180	$ 25,180
Project Team Partners									
	O'Laughlin & Paris, LLC							$ 2,500	$ 2,500
Administration Fee (15% of Subconsultant Cost)									$ 375
TOTAL SUBCONSULTANT COST									$ 2,875
Reimbursable Expenses (ODCs)									$ 1,630
	Printing							$ 480	
	Travel (mileage, airfare)							$ 1,000	
	Postage and Delivery							$ 150	
Administration Fee (15% of ODCs)									$ 245
TOTAL REIMBURSABLE EXPENSES									$ 1,875
TOTAL PROJECT COST									$ 29,930

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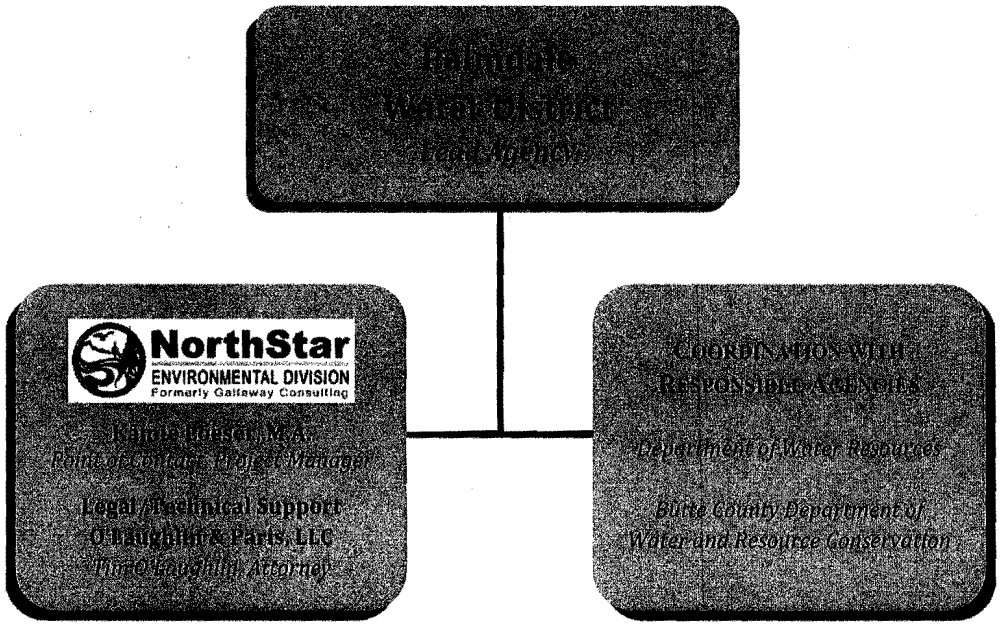
SCHEDULE

Once work on the IS/ND has commenced, the Administrative Draft IS/ND will be completed within three weeks upon completion of Tasks 1 and 2, assuming a timely response to inquiries made to the Lead Agency as well as Responsible Agencies. Completion of the environmental process is anticipated to be three to four months. This latter timeline includes times allotted for District review and comment on the Administrative Drafts of IS/ND and the Responses to Comments document as well as CEQA requirements for processing and public review.

	WEEK																			
TASK	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1 – Project Initiation and Data Collection	★																			
2 – Informal Consultation with Agencies		★																		
3 – Preparation of IS/ND			■	■	■															
District / Agency Review of IS/ND						■	■													
Revisions to IS/ND								■												
30-Day Public Review Period									■	■	■	■								
4 – Responses to Comments													■	■						
District Review of Responses															■	■				
Revisions to Responses																	■			
5 – Public Hearing to Adopt IS/ND																				★
6 – Project Management/Meetings			★						★				★				★			

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PROJECT TEAM



NorthStar Engineering

NorthStar Engineering is a multi-disciplinary engineering, surveying, and environmental consulting firm specializing in municipal infrastructure design, land surveying, environmental assessment, natural resource management, land development, wastewater treatment, and regulatory permit processing. NorthStar was established in Chico, California in 1983 and expanded its offices to Oroville in 2010. We have a staff of 26 employees including land surveyors, civil engineers, environmental planners, biologists, technicians, LEED accredited professionals, and administrative personnel. Our engineers and surveyors are licensed in California, Oregon, and Nevada allowing us to assist our clients with projects in neighboring states. Company principals have an average of 20 years in design and project management experience on projects throughout Northern California.

In 2009, NorthStar acquired Gallaway Consulting, a premier environmental consulting and natural resource firm, which now serves as NorthStar's Environmental Division. The merging of these two great companies allows NorhStar to provide a complete "turn-key" solution to both public agencies and private development clients.



NorthStar
ENVIRONMENTAL DIVISION
Formerly Gallaway Consulting

NorthStar's Environmental Division has a team of seven resource professionals that provide a wide range of environmental and biological assessment services to assist clients with project planning, feasibility analysis, environmental documentation and impact analysis, regulatory permitting, and mitigation and construction monitoring.

> *"NorthStar has the ability to **lead their team** and produce complete detailed plans resulting in finished jobs **on time and within...budget**"*
>
> -Mike Miller,
> Director of Facilities Planning and Management
> Butte-Glenn Community College District

Our Senior Project Managers have facilitated the management of multi-disciplinary project teams, coordinated the preparation of technical studies, prepared multifaceted planning and environmental documentation, managed fast-track and long-term project schedules and complex budgets, and served as the liaison between the client, regulatory agencies, and stakeholders. NorthStar's Environmental Division works with regulatory and responsible agencies to create successful outcomes based on resource opportunities integrated with project needs. NorthStar's unique blend of engineers, planners, and resource scientists provides an added advantage because our team is experienced in taking a ***project from conception through construction.***

Primary Point of Contact

Kamie Loeser will serve as the primary point of contact for all communications. She has the authority to negotiate changes to the proposed scope of work, cost estimate, and schedule during the proposal review period and during the course of the project.

Kamie Loeser, MA: Senior Planner /Project Manager/Point of Contact



Roles and Responsibilities: For this project, Ms. Loeser, M.A. will serve as the dedicated Project Manager and Senior Planner responsible for the preparation of the IS/ND.

Ms. Loeser has 20 years of experience in community and environmental planning and consulting. Ms. Loeser is NorthStar's Senior Planner/Project Manager for the Environmental Planning and CEQA/NEPA Service Area. She is specifically responsible for overseeing and managing CEQA/NEPA documentation for all NorthStar environmental projects. Ms. Loeser has managed and prepared CEQA documents including Initial Studies, Mitigated Negative Declarations, and project and programmatic Environmental Impact Reports for subdivisions, planned unit development projects, and bike paths, roadway, and bridge projects. In addition, Ms. Loeser has managed the preparation of NEPA technical studies to support

projects that have received state and federal funding; including infrastructure, roadway, and pedestrian/bicycle improvement projects. Ms. Loeser's work also focuses on water and wastewater infrastructure projects in Northern California. Her educational background emphasizes community and rural development with particular focus on land use planning, community development, water and natural resource management, wastewater infrastructure, recreation planning, and environmental impact analysis. Ms. Loeser manages complex planning and environmental projects, values strong company and client relationships, and is known for her organizational skills and personable project management style.

O'Laughlin & Paris LLP, Qualifications

O'Laughlin & Paris LLP
Attorneys at Law

Roles and Responsibilities: For this project, O&P will provide technical review of the IS/ND, and attend meetings with DWR to ensure that the document meets the needs of DWR and Responsible Agencies.

Specializing in water rights, environmental compliance, public agency representation, and litigation, O'Laughlin & Paris LLP (O&P) provides a wide range of specialized services. O&P attorneys realize that such services are only valuable when utilized as a means to achieve the goals and meet the expectations of our clients. O&P staff therefore prides themselves on dedication to our clients by making certain, before undertaking any work or assignment, that they truly understand what clients want, need, and expect. At all times, O&P staff listens, is accessible, responsive, and accountable, and make every effort to provide personal service and attention to each and every client.



Tim O'Laughlin, O'Laughlin & Paris, LLP

Mr. O'Laughlin advises clients on matters involving water, land use and planning, and the environment. He has extensive experience as general counsel to public agencies, and regularly attends meetings of their governing boards to advise them on the requirements of open meeting laws and election requirements, as well as on their general powers, rights, and obligations. For this project, Mr. O'Laughlin will work closely with Hanover to ensure that all environmental documentation is legally defensible and can withstand a CEQA challenge. He will also be available for meeting attendance and will review all CEQA documentation. In addition, due to Mr. O'Laughlin's extensive experience representing public agencies with water law, water rights and water transfers, his knowledge and experience complements the project team.



PROJECT EXPERIENCE

Lower Tuscan Aquifer Monitoring, Recharge, and Data Management Project Initial Study and Mitigated Negative Declaration, Biological Resources Field Assessments, SCH#2010052030, Butte County Department of Water and Resource Conservation

This environmental document consisted of the preparation of an Initial Study/Mitigated Negative Declaration that was very contentious and previously subject to litigation. The project is a scientific study to assess recharge along the Lower Tuscan Aquifer outcrops and fluctuations between aquifer gradients based on other hydrogeologic influences, i.e. groundwater withdrawal for irrigation. NorthStar (formerly Gallaway Consulting) reviewed and revised the existing MND to address the issues identified as part of the County's litigation agreement between the Board of Supervisors, Butte County Department of Water and Resource Conservation, and the plaintiffs. The project area encompasses portions of two counties, Butte and Tehama, includes six stream reaches, and extends from the valley floor to the Sierra Nevada Foothills. NorthStar evaluated the potential impacts associated with project activities, including the installation of 10 infiltrometers; 12 stream gauging stations/staff gages, 24 piezometer wells and 18 seepage meter tests within the six identified creeks: the installation of up to 7 groundwater monitoring wells; and the performance of aquifer pump tests. NorthStar/Gallaway also prepared a Biological Resource Assessment/Biological Assessment that evaluated the potential biological resources at all identified project sites. In addition, Ms. Loeser worked closely and directly with Butte County Counsel to ensure that the MND and subsequent responses to the comments received could withstand legal scrutiny.

NorthStar/Gallaway served as the biological field staff for the Lower Tuscan Aquifer Monitoring, Recharge, and Data Management Project. The proposed project is a scientific study that seeks to further characterize the aquifer properties of the Lower Tuscan Aquifer, specifically Tuscan Formation units A and B. The information collected, including biological field data, is being used to verify input parameters of the Integrated Water Flow Model (IWFM) Butte Basin Groundwater Model (Model). All of the data collected was included in a common Geodatabase to facilitate incorporation into the model. Specifically, NorthStar/Gallaway conducted field visits to evaluate and classify vegetation and the presence of threatened and endangered species at project sites within Butte and Tehama Counties. NorthStar/Gallaway evaluated each of the project's sites and a ¼ mile radius buffer zone for all soil infiltration areas, designated stream reaches for five creeks, stream-aquifer interaction areas, and groundwater monitoring well sites. In addition, this information also served as the baseline biological and environmental conditions for the project's Initial Study/Mitigated Negative Declaration, which was prepared by NorthStar/Gallaway.

Deer Creek Flow Enhancement Project Initial Study and Mitigated Negative Declaration for the Deer Creek Irrigation District, Department of Water Resources, and Department of Fish and Game, Tehama County

Deer Creek represents one of the State's largest undammed watersheds, thus several unique habitat features within Deer Creek make it a very important resource for anadromous fish in the Sacramento Valley. The Deer Creek Flow Enhancement Project has been identified as a conservation action in the Operations Criteria and Plan Biological Assessment (OCAP-BA) for the California State Water Project. This aspect of the project is a component of the overall framework for increasing water flows in Deer Creek for the preservation and protection of threatened and endangered anadromous fish species, including Spring-run Chinook salmon and steelhead. The project is the implementation of a Memorandum of Agreement between the Deer Creek Irrigation District (DCID), the Northern Region of the Department of Water Resources (DWR) and the DFG. Ultimately, the project would result in DCID allowing water to bypass the diversion damn in exchange for pumping groundwater from the Lower Tuscan Aquifer for irrigation purposes. However, because local farmers obtain their water directly from the creek and thus, the idea of leaving water flow in the creek rather than diverting it for irrigation, generates controversy regarding water rights and the potential for water transfers outside of the County. This project has included numerous public meetings and community education and outreach to obtain the input and support of irrigation districts that have Deer Creek water rights.

Initial Study - Negative Declaration for the Butte County - Palmdale Water District Emergency Table A Water Transfer, 2008 and 2009, Butte County Department of Water and Resource Conservation

For this project, Ms. Loeser served as the Project Manager and Environmental Planner responsible for the preparation of the Initial Study/Negative Declaration. The project was the emergency short-term transfer of a portion of Butte County's excess SWP Table A Water allocation to the Palmdale Water District (a SWP Table A Contractor) for 2008 and 2009 if conditions remain dry, subject to DWR approval. It was anticipated that 8,750 acre feet would be transferred in 2008 and, if necessary, no more than 10,000 acre-feet (depending on availability) would be transferred in 2009. This was a short-term water transfer agreement. Accordingly, any water transferred under the proposed project would not represent a dependable long-term increase in supply.

Since the completion of the Oroville Dam, Butte County has a long-term water supply contract with DWR to supplement existing municipal and industrial supplies. The County has a maximum Table A amount of 27,500 acre-feet. The County does not yet need, nor use its full Table A amount. For the last forty years, Butte County and DWR have amended its SWP water supply contract and reduced its annual Table A amounts on a temporary basis. This temporary Table A reduction was

accomplished through an agreement between DWR and Butte County, which was extended and amended several times during that time frame. Historically, the County has opted to receive 300 to 3,500 acre-feet of its Table A water, which, for the last 20 years, has been sold to two in-County buyers of the water: Del Oro Water Company and California Water Service, Oroville. The remaining unused allocations have been reverted back to the SWP pool in previous years (DWR, 2006 and Newlin, 2008). Beginning in 2008, a reduction contract was not approved by DWR and the County is now required to take and pay for their Table A allocation (Newlin, 2008).

Transfer of the water would occur within the regulatory parameters for operations of the SWP, including all applicable Biological Opinions requirements under the Endangered Species Act that govern SWP pumping at the DWR's Harvey O. Banks Pumping Plant located in the Sacramento-San Joaquin Delta. To ensure compliance with all environmental requirements, DWR follows a set of mitigation and environmental programs in operating the SWP. Additional restrictions are being implemented as a result of interim operational remedies imposed by the United States District Court, Eastern District of California in *NRDC v. Kempthorne* (05/25/2007, 12/14/07) (also known as the "Wanger Decision") and the recent decision for *PCFFA v. Gutierrez* (04/16/2008), which will result in an interim salmon protection plan (once hearings are scheduled). The *NRDC v. Kempthorne* Interim Remedial Order governs pumping operations in the Sacramento-San Joaquin Delta by the SWP and the federally operated Central Valley Project (CVP).

Butte-Glenn Community College District, Facilities Master Plan and Initial Study and Mitigated Negative Declaration, Butte County

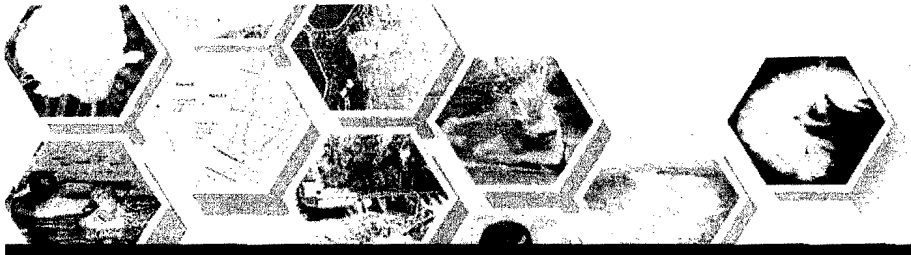
NorthStar Engineering's Environmental Division worked with the District's Facilities staff to prepare the Facilities Master Plan (FMP) Update and corresponding CEQA documentation. Specifically, NorthStar prepared the land use management and environmental setting for the FMP, which included long-range planning for the campus's open space areas. NorthStar prepared a campus-wide Biological Resources Assessment and Archaeological Inventory Survey Report (per Section 106) to identify areas of potential sensitive resources. NorthStar's GIS Division, created maps and graphics that identified current and future service areas and building sites, proposed construction, circulation, infrastructure and utilities, previous environmental surveys, and sensitive resources. As part of this planning effort, NorthStar identified environmental criteria and mitigation to be incorporated into the FMP so that potential environmental impacts associated with implementation of the FMP would be mitigated. Because the FMP is a program-level planning document, an Initial Study/Mitigated Negative Declaration was prepared, which also identified and evaluated reasonably foreseeable subsequent FMP construction projects.

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PROJECT REFERENCES

Project	Reference
Lower Tuscan Aquifer Monitoring, Recharge and Data Management Project, Initial Study and Mitigated Negative Declaration	**Paul Gosselin, Director** Butte County Dept. of Water and Resource Conservation 308 Nelson Avenue Oroville, CA 95965-3302 (530) 538-3804
Butte-Glenn Community College District, Facilities Master Plan and Initial Study and Mitigated Negative Declaration	**Ms. Kimberly Jones, Assistant Director** Facilities Planning and Management Butte-Glenn Community College District 3536 Butte Campus Drive Oroville, CA 95965
Deer Creek Flow Enhancement Project Initial Study and Mitigated Negative Declaration	**Dan McManus, Senior Engineering Geologist** DWR, Northern Region Office 2440 Main Street Red Bluff, CA 96080 ph: (530) 529-7373 cell: (530) 945-0882



RESUMES

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NorthStar
ENVIRONMENTAL DIVISION
Formerly Gallaway Consulting

Kamie Loeser, M.A.
Senior Planner/Project Manager

EDUCATION

- **B.A., Geography and Planning,** California State University, Chico, 1993
- **M.A., Master of Rural and Town Planning,** California State University, Chico, 1997
- **Environmental Review of California Water Projects: Legal Requirements, Approaches and Techniques,** UC Davis Extension, 2008

EXPERIENCE 18 Years

- **NorthStar Environmental; formerly known as Gallaway Consulting**
  Senior Planner/Project Manager, 2009-current
- **Foothill Associates**
  Senior Planner/Project Manager, 2006-2008
- **Community Planning Solutions**
  Principal Planner, 2001-2004
- **Pacific Municipal Consultants**
  Senior Planner, 1997-2001
- **California State University Chico, Research Foundation**
  Planning Assistant and Project Coordinator, 1994-1997
- **Northern California Planning and Research**
  Municipal Planner, 1992-1997
- **Wastewater Design Assessment District and Onsite Disposal Maintenance District**
  Research Analyst and Technician, 1991-1993

Ms. Loeser has over 18 years of experience in community and environmental planning and consulting both in the private and public sectors. Ms. Loeser is the Senior Planner/Project Manager for the Environmental Planning and CEQA/NEPA Service Area for NorthStar Engineering's Environmental Division and is responsible for overseeing and managing environmental and community planning projects and subsequent regulatory permitting. Ms. Loeser has prepared environmental analyses for dozens of development and infrastructure projects in compliance with both CEQA and NEPA. She has conducted technical surveys and analyses for visual inventories and assessments, air quality analysis per URBEMIS, and greenhouse gas emissions estimates and mitigation per the new California Emissions Estimator Model (CalEEMod), hazardous materials and risk of upset assessments, traffic inventories, and noise assessments. Ms. Loeser has evaluated projects under all of the required environmental topic areas; per CEQA Guidelines Appendix G. Specific documents authored and compiled by Ms. Loeser include Initial Studies/Environmental Checklists and Mitigated Negative Declarations, Environmental Impact Reports (EIRs), NEPA Categorical Exclusions with technical studies, and Environmental Assessments. In addition, she has worked on a variety of planning projects including general plan updates, specific plans, zoning ordinance amendments, recreation master plans, watershed management plans, visual resource assessments, community action plans, and economic development plans. Her educational background emphasizes community and rural development with particular

focus on land use planning, community enhancement, visual design, natural resource management, recreation planning, and environmental impact analysis. Ms. Loeser has managed complex planning and environmental projects and values strong company and client relationships and is known for her organizational skills and personable project management style.

NORTHSTAR/GALLAWAY CONSULTING - Current Projects (2009-current)

- **Air Quality Analysis for the Thermalito East Trunk Sewer Replacement Line,** Butte County, Thermalito Water and Sewer District – Senior Planner
- **Beale Air Force Base Access (Smartville Road) Project, Natural Environment Study (NES), Wetland Delineation and Regulatory Permitting**, Yuba County – Project Manager
- **Bruce Road Widening Project Initial Study/Mitigated Negative Declaration** (in progress), City of Chico – Project Manager
- **Butte College Skyway Center Initial Study/Mitigated Negative Declaration,** Butte-Glenn Community College District – Senior Planner/Project Manager
- **Colusa County General Plan Background Report – Geology and Soils, Safety and Hazards**, Colusa County for DeNovo Planning Group – Project Manager
- **Deer Creek Flow Enhancement Program Initial Study/Mitigated Negative Declaration**, Deer Creek Irrigation District in partnership with Department of Water Resources and Department of Fish and Game, Tehama County – Senior Planner/Project Manager
- **Eagle Meadows Subdivision, Entitlement Planning**, Butte County, Wyckoff & Associates – Senior Planner
- **Foothill Boulevard Bridge Replacement Project Initial Study/Mitigated Negative Declaration and Regulatory Permitting**, Butte County – Project Manager
- **Greenhouse Gas Emissions Analysis for the Paradise Summit TSM and PUD, Environmental Impact Report**, Wyckoff & Associates –Senior Planner
- **Lower Tuscan Aquifer Monitoring, Recharge and Data Management Project Initial Study/Mitigated Negative Declaration** (in progress), Butte County for Brown & Caldwell – Senior Planner/Project Manager
- **Nelson Avenue Parcel GPA/Rezone Initial Study/Mitigate Negative Declaration** (in progress), City of Oroville for Guillon Inc. – Project Manager
- **Paradise Summit TSM and PUD, Environmental Impact Report,** Butte County, Wyckoff & Associates – Project Manager, Senior Planner
- **Soper Wheeler Roadway Easement Environmental Assessment and Biological Assessment/Biological Evaluation**, USFS – Senior Planner/Project Manager
- **Smartville Road Bridge Replacement Project, Natural Environment Study (NES), Wetland Delineation and Regulatory Permitting**, Yuba County – Project Manager
- **State Route 99 Bike Path, Preliminary Environmental Study (PES) and Initial Study/Mitigated Negative Declaration for Phase 1**, City of Chico and Caltrans – Senior Planner/Project Manager

- **State Route 99 Bike Path, Preliminary Environmental Study (PES) for Phase 2,** City of Chico and Caltrans – Project Manager
- **State Route 99/Southgate Avenue Interchange Preliminary Environmental Analysis Report (PEAR),** Mark Thomas Engineering Company, City of Chico – Project Manager
- **Thermalito East Trunk Sewer Replacement Line Initial Study/Mitigated Negative Declaration,** Butte County, Thermalito Water and Sewer District – Senior Planner

CEQA/NEPA Environmental Documentation and Regulatory Permitting

- **Bass Lake Road Expansion Regulatory Permitting (CWA 404 and 401, SAA 1600),** El Dorado County – Senior Planner/Project Manager
- **Butte County – Palmdale Water District Emergency Table A Water Transfer Initial Study/Negative Declaration,** Kern County, Palmdale Water District (Lead Agency) and Butte County, Department of Water and Resource Conservation – Senior Planner/Project Manager
- **Cedar Grove Church Draft EIR,** City of Livermore – Environmental Planner/Assistant Project Manager
- **Daugherty Hill Wildlife Area Land Management Plan Initial Study/Mitigated Negative Declaration,** Department of Fish and Game – Senior Planner/Project Manager
- **Garcia Ranch Single-Family Residential Unit Encroachment Permit (located between the levee and the Sacramento Deep Water Ship Canal) Initial Study/Mitigated Negative Declaration,** Department of Water Resources, State Reclamation Board (Lead Agency) – Senior Planner/Project Manager
- **Greenback Road Widening Project Draft EIR/EIS,** City of Citrus Heights – Environmental Planner/Assistant Project Manager
- **Lake Front at Walker Ranch Administrative Draft EIR,** Plumas County – Senior Planner/Project Manager
- **Little Chico Creek Bike Path Initial Study/Mitigated Negative Declaration,** City of Chico – Senior Planner/Project Manager
- **Manzanita Avenue Road Widening Project Administrative Draft EIR,** City of Chico – Senior Planner/Project Manager
- **North Fork Ranch Planned Development Administrative Draft EIR,** Shasta County – Senior Planner/Project Manager
- **North Star Annexation Project Draft EIR,** City of Grass Valley – Environmental Planner/Assistant Project Manager
- **Northstar Village Draft EIR,** Placer County – Environmental Planner/Assistant Project Manager
- **Neal Road Landfill Expansion Draft EIR,** Butte County – Environmental Planner/Assistant Project Manager
- **New Westside Interceptor Eastside Road Alignment Initial Study/Mitigated Negative Declaration,** City of Redding – Environmental Planner/Assistant Project Manager

- **PG&E Hydrodivestiture EIR for the California Public Utilities Commission (CPUC)** – Senior Planner/Assistant Team Leader/Project Manager
- **Planned Community-2 (PC-2) Specific Plan EIR**, Town of Truckee – Environmental Planner/Assistant Project Manager
- **Pilot Hill Ranch Specific Plan Draft EIR**, El Dorado County – Environmental Planner/Assistant Project Manager
- **Presidio PUD and Community Park Draft EIR**, City of Tracy – Environmental Planner/Assistant Project Manager
- **Quail Lake Estates Draft EIR**, Nevada County – Environmental Planner/Assistant Project Manager
- **Rosamond Recreation Master Plan Initial Study/Mitigated Negative Declaration**, City of Rosamond – Senior Planner/Project Manager – Environmental Planner/Assistant Project Manager
- **Salmon Falls Preserve Draft EIR**, El Dorado County – Environmental Planner/Assistant Project Manager
- **Shasta Valley Asphalt and Aggregate Project Draft EIR**, City of Yreka – Environmental Planner/Assistant Project Manager
- **Sierra Sky Ranch Subdivision and General Plan Amendment Draft EIR**, Madera County – Environmental Planner/Assistant Project Manager
- **Temple Beth El Draft EIR**, City of Berkeley – Environmental Planner/Assistant Project Manager
- **Village at Northstar Administrative Draft EIR**, Northstar, California – Environmental Planner/Assistant Project Manager
- **Wolf Creek Ranch Estates Draft EIR**, Nevada County – Environmental Planner/Assistant Project Manager

Community Planning Projects

- **Butte Creek Watershed Existing Conditions Report**, California State University Chico, Research Foundation – Project Planner responsible for the Land Use Inventory and Analysis and Recreation and Visual Resources Inventory and Analysis
- **City of Colfax General Plan Update**, 1997, City of Colfax – Municipal Planner/Assistant Project Manager
- **City of Corning General Plan Update**, 1994, City of Corning – Municipal Planner/Assistant Project Manager
- **Community Action Plan for the Town of Washington**, Sierra Economic Development District, Nevada County – Principal Planner/Project Manager
- **Deer Creek Watershed Conservancy Project**, California State University, Chico, Research Foundation – Project Planner responsible for the Land Use Inventory and Analysis
- **Economic Development Plan for the Town of Washington**, Sierra Economic Development District, Nevada County – Principal Planner/Project Manager
- **Sierra Buttes/Lakes Basin Recreation Master Plan**, Sierra County – Senior Planner/Project Manager
- **Visual Design Guidelines for the Highway 99W Corridor**, City of Corning – Municipal Planner/ Project Manager



O'Laughlin & Paris LLP
Attorneys at Law

TIM O'LAUGHLIN

Professional Experience

Mr. O'Laughlin advises clients on matters involving water, land use and planning, and the environment. He has extensive experience as general counsel to public agencies, and regularly attends meetings of their governing boards to advise them on the requirements of open meeting laws and election requirements, as well as on their general powers, rights, and obligations. Mr. O'Laughlin represents clients in and before all federal and state judicial, administrative, and regulatory forums, including the California State Water Resources Control Board. Mr. O'Laughlin served as lead counsel for the San Joaquin River Group Authority in the Bay-Delta Water Rights hearing, which included more than 80 hearing days during several separate phases. As a result of Mr. O'Laughlin's efforts, the State Water Resources Control Board adopted the settlement proposal offered by the San Joaquin River Group Authority as the sole method for meeting the flow dependent objectives of the San Joaquin River Basin.

Mr. O'Laughlin is currently the general counsel for the Modesto Irrigation District, which provides irrigation water to over 58,000 acres, electric service to over 111,000 accounts and drinking water to the City of Modesto. Tim O'Laughlin is a founding member of O'Laughlin & Paris LLP. He has over 25 years of experience in water law and public agency representation.

Education

J.D., University of Santa Clara, 1984
B.A., Political Science, University of California, Berkeley, 1980

Bar and Court Admissions

- State Bar of California
- U.S. Supreme Court
- U.S. Court of Appeals for the Ninth Circuit
- U.S. Court of Federal Claims
- U.S. District Court for the Eastern District of California
- U.S. District Court for the Northern District of California

Presentations and Lectures

- Panelist, "Water Rights Adjudications: Do Water Rights Mean Certainty Anymore?" California Water Law and Policy Conference, October 1998, San Diego, CA.
- Panelist, "The Bay Delta Water Rights Proceedings: Sharing the Pain," Water Education Foundation's California Water Policy Pre-Conference, February 23, 2000, San Diego, CA.

- Speaker, "San Joaquin Adaptive Management Plan" Water Education Foundation's San Joaquin River Tour, May 2000

Professional Memberships and Activities

- Past Member, ACWA Legal Affairs Committee
- Judge Pro Tem, Small Claims Judge Pro Tem program, Butte County Superior Court, 1999, 2001
- Butte County Bar Association

Notable Cases and Transactions

- Served as lead counsel for defendant Santa Clara Valley Water District in the Alviso Flood cases, 1985-1988. These cases, involving some 3000 plaintiffs, all ended in settlements.

- Served as lead counsel for Solano County water interests in the Putah Creek Water Cases, 1992-1998. Culminated in a five week trial regarding water rights downstream of the federal Solano Project.
- Served as lead counsel for Orange Cove Irrigation District in contract dispute with United States. In 1993, U.S. Court of Federal Claims ruled in Orange Cove Irrigation District's favor.

- Served as lead counsel for several parties to water transfers in the San Joaquin Valley which were challenged under CEQA. Each challenge was successfully defeated in Superior Court.
- Served as lead counsel in federal court action challenging propriety of listing Central Valley steelhead as a threatened species under the Endangered Species Act.

Reported Cases

- California Farm Bureau Federation v. SWRCB (2011) 51 Cal.4th 421
- Modesto Irr. Dist. v. Gutierrez, 619 F.3d 1024 (9th Cir. 2010)
- California State Grange v. National Marine Fisheries Service, 620 F.Supp.2d 1111 (E.D.Cal. 2008)
- Phelps v. State Water Resources Control Bd. (2007) 157 Cal.App.4th 89
- State Water Resources Control Bd. Cases (2006) 136 Cal.App.4th 674
- Central Valley Water Agency v. U.S., 327 F.Supp.2d 1180 (E.D. Cal. 2004)
- Central Delta Water Agency v. U.S., 306 F.3d 938 (9th Cir. 2002)
- City of Barstow v. Mojave Water Agency (2000) 23 Cal.4th 1224
- DeltaKeeper v. Oakdale Irrigation District (2001) 94 Cal.App.4th 1092
- OCID v. United States, 28 Fed.Cl. 790 (1993)