



SOUTHERN NEVADA WATER AUTHORITY

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December 8, 2008

Mr. Jason Thiriot
Colorado River Commission of Nevada
555 East Washington Avenue, Suite 3100
Las Vegas, Nevada 89101

SUBJECT: 2008 INTEGRATED RESOURCE PLAN (IRP) ANNUAL STATUS REPORT

Dear Mr. Thiriot:

Pursuant to your e-mail dated November 18, 2008, the Southern Nevada Water Authority (“SNWA”) is providing its 2008 Integrated Resource Plan (IRP) status report for incorporation into your IRP submittal to Western Area Power Administration:

2008 Accomplishments

SOLAR COVERED CARPORTS: In 2008, the SNWA constructed solar covered carports at the River Mountains Water Treatment Facility (“RMWTF”) and the Alfred Merritt Smith Water Treatment Facility (“AMSWTF”). The installed capacity of the solar photovoltaic panels is approximately 250 kW. The power generated from the installations will offset load at the water treatment facilities.

Loads and Resources

The following tables illustrate the maximum demand and total energy requirements of the SNWA and the Las Vegas Valley Water District (“LVVWD”). Also shown are the resources that are anticipated to satisfy the combined needs of the two entities.

Maximum Demand and Proposed Capacity Resources						
	2008	2009	2010	2011	2012	2013
Maximum Demand (MW)	246	252	265	277	288	299
Capacity Resources (MW)						
Federal Hydropower		4	4	4	4	4
Contracts (Existing)		150	150	150	150	125
Generation (Existing)		5	5	5	5	130
New Generation/Contracts		93	106	118	129	40
Total Cap. Resources		252	265	277	288	299

Total Energy Requirements and Proposed Energy Resources						
	2008	2009	2010	2011	2012	2013
Total Energy Req. (MWh)	961,521	1,020,314	1,073,784	1,122,385	1,167,491	1,210,159
Energy Resources (MWh)						
Federal Hydropower		112,214	112,997	113,255	113,202	114,294
Contracts (Existing)		938,000	945,600	945,600	949,200	481,000
Generation (Existing)		15,153	15,120	15,086	15,053	672,591
New Resources/Contracts		-45,053	67	48,443	90,036	-57,727
Total Energy Req. (MWh)		1,020,314	1,073,784	1,122,385	1,167,491	1,210,159

SNWA MEMBER AGENCIES

Big Bend Water District • Boulder City • Clark County Water Reclamation District • City of Henderson • City of Las Vegas • City of North Las Vegas • Las Vegas Valley Water District

Renewable Energy Initiatives

Beginning in 2014, the SNWA anticipates that its electrical load will increase with the addition of new water pumping facilities. To meet its projected shortfall, the SNWA will need to acquire new resources. The SNWA is currently working on the following renewable energy/conservation projects. The energy from these projects will be used to displace the SNWA's energy purchases from the market.

CLEAN WATER COALITION (CWC) HYDROELECTRIC PROJECT: The Clean Water Coalition, a political subdivision of the State of Nevada, is in the process of developing a 15 MW hydroelectric generating facility ("Hydro Plant") associated with its System Conveyance and Operation Program ("SCOP"). The SCOP project encompasses the construction and operation of a pipeline that transports effluent through a substantial drop in elevation from the wastewater treatment plants of the City of Las Vegas, the City of Henderson, and the Clark County Water Reclamation District to an outfall location in Lake Mead, bypassing the Las Vegas Wash. The Hydro Plant, which is anticipated to be operational some time during 2012, will utilize the effluent and the drop in elevation to generate hydroelectric power. The energy generated by the Hydro Plant will be made available to the SNWA for use at its water treatment facilities.

CONCENTRATING SOLAR PHOTOVOLTAIC DEMONSTRATION: This installation at RMWTF will demonstrate solar photovoltaic technology. The sole-source procurement will combine Amonix Inc.'s technology with SNWA's efforts and the efforts of UNLV to demonstrate a small utility-scale, next-generation concentrating technology. The .208 MW system will supply power to offset the load at the water treatment facility. The projected in-service date is mid-2009.

ARROW CANYON ENERGY RECOVERY: Water from wells northwest of Moapa will be piped to Overton in a project that is under development. In conjunction with that pipeline will be the .45 MW Arrow Canyon hydroelectric turbine. The Arrow Canyon Energy Recovery Project is scheduled to be complete in 2010.

COYOTE SPRING VALLEY/DRY LAKE VALLEY ENERGY RECOVERY: Three potential hydroelectric turbine energy recovery facilities have been identified, one in Coyote Spring Valley and two in Dry Lake Valley. These facilities will recover energy generated by the elevation change along the SNWA's future groundwater development project. They will be located on the main pipeline and are expected to generate approximately 42 MW when they are fully developed. The initial units are scheduled for installation in 2015.

WIND, GEOTHERMAL, AND BIOMASS: Currently, the SNWA is exploring various options for integrating wind, geothermal, and biomass resources into its energy portfolio.

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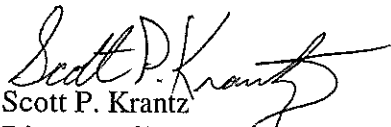
Transmission Initiatives

EASTERN NEVADA TRANSMISSION PROJECT (ENTP): The SNWA is considering various supply alternatives, including wind and geothermal resources located in Eastern Nevada, to satisfy its future resource needs. The SNWA is working cooperatively with the Silver State Energy Association (“SSEA”)¹ to develop the Eastern Nevada Transmission Project (“ENTP”), a 230 kV transmission system that is planned to bring power from one or more of these resources to Southern Nevada and allow for the interconnection of certain SSEA members’ electrical systems with the Mead Substation in Southern Nevada.

If you have any questions concerning the information in this submittal, please contact me at 702-691-5240.

Sincerely,

SOUTHERN NEVADA WATER AUTHORITY


Scott P. Krantz
Director of Energy Management

¹ The Silver State Association is a joint exercise of powers association that is comprised of the City of Boulder City, Lincoln County Power District No. 1, Overton Power District No. 5, the Southern Nevada Water Authority, and the Colorado River Commission of Nevada.