



The Regional Report

Vol. XXI No. 40

October 2, 2015

80th Anniversary of Hoover Dam

Editor's note: This week marked the 80th anniversary of the dedication of Hoover Dam by President Franklin Roosevelt. Below is an open letter sent recently by Lower Colorado Dams Office Area Manager Rob Skordas to Regional employees.



President Franklin D. Roosevelt, center with white hat, points to an interesting feature during his tour of Hoover Dam. LCR photo courtesy of Rob Skordas

This message is dedicated to the men and women of Hoover Dam and the Lower Colorado Region that work together in the safe operation and maintenance of this historic landmark and engineering marvel.

It was 80 years ago today (Sept. 30) that President Roosevelt dedicated the new Boulder Dam. In recognition of that momentous day, I have copied his opening improvised remarks here and attached his speech & photos below.

"This morning I came, I saw and I was conquered,

as anyone would be who sees for the first time this great feat of mankind." President Roosevelt - September 30, 1935

I appreciate the teamwork and commitment demonstrated by each of you as we work together to preserve this valued resource for the generations to come.

Sincerely,
Rob Skordas
Area Manager LCDO

President Roosevelt's Dedication Speech

Ten years ago the place where we are gathered was an un-peopled, forbidding desert. In the bottom of a gloomy canyon, whose precipitous

walls rose to a height of more than a thousand feet, flowed a turbulent, dangerous river. The mountains on either side of the canyon were difficult of access with neither road nor trail, and their rocks were protected by neither trees nor grass from the blazing heat of the sun. The site of Boulder City was a cactus covered waste. The transformation wrought here is a twentieth century marvel.



President Roosevelt, fourth from the right, holding a cane, observed the Lake Mead reservoir as it appeared in 1935. LCR photo courtesy of Rob Skordas

The site of Boulder City was a cactus covered waste. The transformation wrought here is a twentieth century marvel.

We are here to celebrate the completion of the greatest dam in the world, rising 726 feet above the bed-rock of the river and altering the geography of a whole region; to see the creation of the largest artificial lake in the world - 115 miles long, holding enough water to cover the State of Connecticut to a depth of ten feet; and to see nearing completion a power house which will contain the largest generators and turbines yet installed in this country, machinery which can continuously supply 1,835,000 h.p. of electric energy. All these dimensions are superlative. They represent and embody the accumulated engineering knowledge and experience of centuries, and when we behold them it is fitting

that we pay tribute to the genius of their designers. We recognize also the energy, resourcefulness and zeal of the builders, who, under the greatest physical obstacles, have pushed this work forward to completion two years in advance of the contract requirements. But especially we express our gratitude to the thousands of workers who gave brain and brawn to the work of construction.

Beautiful and great as this structure is, it must also be considered in its relationship to the agricultural and industrial development and in its contribution to the health and comfort of the people who live in the Southwest.

To divert and distribute the waters of an arid region so that there shall be security of rights and efficiency in service, is one of the greatest problems of law and of administration to be found in any government. The farms, the cities, and the people who live along the many thousands of miles of this river and its tributaries all depend for their permanence in value upon the conservation, the regulation, and the equitable division of its ever-changing water supply. What has been accomplished on the Colorado in working out such a scheme of distribution is inspiring. Through the cooperation of the States whose people depend upon this river, and of the Federal Government which is concerned in the general welfare, there is being constructed a system of distributive works and of laws and practices which will insure to the millions of people who now dwell in this basin, and the millions of others who will come to dwell here in future generations, a just, safe, and permanent system of water rights. In devising these policies and the means for putting them into practice the Bureau of Reclamation has taken, and is destined to take in the future, a leading and helpful part. The Bureau has been the instrument which gave effect to the legislation introduced in Congress by Senator Hiram Johnson and Congressman Phil Swing.

As an unregulated river, the Colorado added little of value to the region this dam serves. When in flood the river was a threatening torrent. In the dry months of the year it shrank to a trickling stream. For a generation the people of Imperial Valley had lived in the shadow of a disaster from the river which provided their livelihood, and which is the foundation of their hopes for themselves and their children. Every spring they awaited with dread the coming of a flood, and nearly every autumn they feared a shortage of water would destroy their crops.

The gates of the diversion tunnels were closed here at Boulder Dam last February. In June a great flood came down the river. It came roaring down the canyons of the Colorado, through Grand Canyon, Iceberg and Boulder Canyons, but it was caught and safely held behind Boulder Dam.

Last year a drought of unprecedented severity was visited upon the west. The watershed of the Colorado River did not escape. In July the canals of the Imperial Valley went dry. Crop losses in the Valley alone totaled \$10,000,000. Had Boulder Dam been completed one year earlier, this loss could have been prevented, because the spring flood could have been stored to furnish a steady water supply for the long dry summer and fall.

Across the San Jacinto Mountains southwest of Boulder Dam the cities of Southern California are constructing an aqueduct to cost \$220,000,000, which they have raised, for the purpose of carrying the regulated waters of the Colorado to the Pacific Coast 259 miles away.

Across the desert and mountains to the west and south run great electric transmission lines by which factory motors, street and household lights and irrigation pumps will be operated in Southern Arizona and California. Part of this power will be used in pumping the water through the aqueduct to supplement the domestic supplies of Los Angeles and surrounding cities.



Hoover Dam. LCR photo by Alex Stephens

Navigation of the river from Boulder Dam to the Grand Canyon has been made possible, a 115 mile stretch that had been traversed less than half a dozen times in history. An immense new park has been created for the enjoyment of all our people.

At what cost was this done? Boulder Dam and the power houses together cost a total of \$108,000,000, all of which will be repaid with interest in 50 years under the contract for sale of the power. Under these contracts, already completed, not only will the cost be repaid, but the way is opened for the provision of needed light and power to the consumer at reduced rates. In the expenditure of the price of Boulder Dam during the depression years work was provided for 4,000 men, most of them heads of families, and many thousands more were enabled to earn a livelihood through manufacture of materials and machinery.

And this is true in regard to the thousands of projects undertaken by the Federal Government, by the States and by the municipalities in recent years. The overwhelming majority of them are of

definite and permanent usefulness.

Throughout our national history we have had a great program of public improvements, and in these past two years all that we have done has been to accelerate that program. We know, too, that the reason for this speeding up was the need of giving relief to several million men and women whose earning capacity had been destroyed by the complexities and lack of thought of the economic system of the past generation.

No sensible person is foolish enough to draw hard and fast classifications as to usefulness or need. Obviously, for instance, this great boulder Dam warrants universal approval because it will prevent floods and flood damage, because it will irrigate thousands of acres of tillable land and because it will generate electricity to turn the wheels of many factories and illuminate countless homes. But can we say that a five foot brushwood dam across the head waters of an arroyo, and costing only a millionth part of Boulder Dam, is an undesirable project or a waste of money? Can we say that the great brick high school, costing \$2,000,000 is a useful expenditure but that a little wooden school house project, costing \$10,000 is a wasteful extravagance? Is it fair to approve a huge city boulevard and, at the same time, to disapprove the improvement of a muddy farm-to-market road?

While we do all of this, we give actual work to the unemployed and at the same time we add to the wealth and assets of the Nation. These efforts meet with the approval of the people of the Nation.

In a little over two years this work has accomplished much. We have helped mankind by the works themselves and, at the same time, we have created the necessary purchasing power to throw in the clutch to start the wheels of what we call private industry. Such expenditures on all of these works, great and small, flow out to many beneficiaries; they revive other and more remote industries and businesses. Money is put in circulation. Credit is expanded and the financial and industrial mechanism of America is stimulated to more and more activity. Labor makes wealth. The use of materials makes wealth. To employ workers and materials when private employment has failed is to translate into great national possessions the energy that otherwise would be wasted. Boulder Dam is a splendid symbol. The mighty waters of the Colorado were running unused to the sea. Today we translate them into a great national possession.

I might go further and suggest to you that use begets use. Such works as this serve as a means of making useful other national possessions. Vast deposits of precious metals are scattered within a short distance of where we stand today. They await the development of cheap power.

These great Government power projects will affect not only the development of agriculture and industry and mining in the sections they serve, but they will also prove useful yardsticks to measure the cost of power throughout the United States. It is my belief that the Government should proceed to lay down the first line, assisted in its financing by the Government, and tapping the wonderful natural resources of southern Nevada. Doubtless the same policy of financial assistance to state authorities can be followed in the development of Nevada's sister State, Arizona, on the other side of the River.

With it all, with work proceeding in every one of the more than three thousand counties in the United States, and of a vastly greater number of local divisions of Government, the actual credit of Government agencies is on a stronger and safer basis than at any time in the past six years. Many states have actually improved their financial position in the past two years. Municipal tax receipts are being paid when the taxes fall due and tax arrearages are steadily declining.

It is a simple fact that the Government spending is already beginning to show definite signs of its effect on consumer spending; that the putting of people to work by the Government has put other people to work through private employment, and that in two years and a half we have come to the point where private industry must bear the principal responsibility of keeping the process of greater employment moving forward with accelerated speed.

The people of the United States are proud of Boulder Dam. With the exception of the few who are narrow visioned, the people on the Atlantic seaboard, the people in the Middle West and the people in the South must surely recognize that the national benefits which will be

derived from the completion of this project will make themselves felt in every State. They know that poverty or distress in a community two thousand miles away may affect them, and that prosperity and higher standards of living across a whole continent will help them back home.

Today marks the official completion and dedication of Boulder Dam, the first of four great Government regional units. This is an engineering victory of the first order — another great achievement of American resourcefulness, skill, and determination.

That is why I have the right once more to congratulate you who have created Boulder Dam on behalf of the Nation to say to WELL DONE.