POOR DOCUMENT

THE EVENING TIMES AND STAR, ST. JOHN, N. B., MONDAY, OCTOBER 4, 1920

Strong Government Tickets Named In Every Constituency

Madawaska's Two Seats Go To Government By Acclamation

No Opposition Candidates in Six Counties; Part Tickets in Two Others; The Names of the Candidates

With strong candidates in every constituency in the province, nomination day, Saturday, found the government enter- Opposition. ing upon the last week of the campaign confident of a sweeping victory at the polls. Full government tickets were nominated in every county except Kings and Carleton, where the government nominated two men each, requesting the electors as a third choice to vote for a farmer candidate in Kings county and a farmer or soldier candidate in Carleton county.

In contrast to this the opposition made a strikingly poor Opposition showing so far as nominations were concerned, there being no opposition candidates in the counties of Madawaska, Victoria, Sunbury, Northumberland, Kent and Westmorland, while in Charlotte county the opposition nominated only two candidates out of four, and in Carleton only one out of three.

In Victoria, Sunbury, Carleton, Kent, Kings, Queens and York counties the farmers placed full tickets in the field; in Charlotte they have two out of four, in Northumberland Frank two out of four and in Westmorland three out of four. A labor candidate is running in Moncton city, another in West-Labor. morland county and two in Northumberland. In Carleton J. A. Robinson county a soldier candidate was nominated, and in Kent an Independent farmer is running in addition to the United Government

BY ACCLAMATION IN MADAWASKA

No. opposition was offered J. E. Michaud and D. L. Daigle, the government andidates in Madawaska county. Thus the government party starts out with two representatives already elected, and faces but weak opposition in several other

The government nomination proceedings were marked by intense enthusiasm, many speeches being delivered in praise of the splendid record of the adminis tration led by the Hon. Mr. Foster sinceits access to power in 1917. No government in the history of the province has ever before been in the position to submit to the electors such an account of stewardship, such a record of service well done, such progressive policies already carried out and to be followed in future, as the Foster government has asked the people to endorse next Saturday. Nor has greater enthusiasm ever been known than that which marks the efforts of those who today are working in the wards and parishes in the interest of the gov

VASSIE EMPLOYES

R. T. Hayes

GALA DAY AT BOYS' INDUSTRIAL HOME ENJOY OUTING Thanks to the efforts of Charles W. Tilley and other public spirited citizens, the boys of the St. John Industrial One of the season's most enjoyable one of the season's most enjoyable events was held on Saturday when a party of the employes of Vasie & Company, Ltd., were the guests of Mr. and Mrs. J. H. Tonge at their homestead of the Black River road. The drive started about 3 p. m. from the warehouse of the company. Mr. and Mrs. Tonge made the most hospitable host and hostess that could be desired. During the afternoon several group pictures were taken of all, after which a dance was started and card games were participated in. At 6 p. m. the happy gathering sat down to an inviting spread prepared for them by Mrs. Tonge and her efficient assistants. The meal hour was indeed a happy one, each and every one enjoying themselves to the utmost. Messrs. Osborne and Hennessey, with the assistance of Messrs. Morrisey and Allison provided much amusement for the crowd. At the conclusion of dinner William Wilson made an appropriate speech, thanking the host and hostess for their hospitality, on behalf of those for their hospitality, on behalf of those present. George Vaughan and Willie Carney also spoke. During the course of the evening John Tonge san, with Mr. Morrisey as accompanist. After the presentation of Friday by Jean and Helen Anthony, little daughters of J. Fred Anthony. Blueberries, blackberries and raspberries have been picked in the last few days in the vicinity of the city.

Ward Meetings

Electors Favorable to the

Foster Government

and supporting the following candidates:

Candidates In the Field

ST. JOHN CITY

Hon. W. E. Foster, Hon. W. F. Roberts, Robert T. Hayes Dr. J. Roy Campbell, L. P. D. Tilley, F. L. Potts.

ST. JOHN COUNTY. A. F. Bentley. L. M. Curren, M. D.

Hon. J. B. M. Baxter. WESTMORLAND.

Government.

Hon. Fred Magee.

Ferdinand E. Bourgeois.

MONCTON CITY. Hon. C. W. Robinson

KINGS COUNTY.

Opposition.
J. A. Murray. W. H. Huggard. H. N. Flewelling.

QUEENS COUNTY. Dr. J. E. Hetherington. G. H. King. Opposition.
Alfred West.
W. A. Machum.

Farmers.
Charles W. Hughes.
George W. Dingee. NORTHUMBERLAND.

Hon, Robert Murray. Hon, J. P. Burchill. Dr. F. C. McGrath-D. V. Allain.

SUNBURY COUNTY. Government.
D. W. Mersereau.
R. B. Smith.

James Harding. Herbert H. Smith CARLETON COUNTY. Government.
Dr. M. E. Commins.

Samuel Burlock Soldiers. S. G. Barter.

John T. Christie. Frank Coburn.
Peter S. Watson.
J. Bacon Dickson Charles D. Richards. John A. Young.

Douglas Clarkson E. W. Stairs. W. B. Gilman KENT COUNTY. A. A. Dysart. P. P. Melanson.

A. T. LeBlanc. S. S. Harrison.

Opposition.
David A. Stewart

Hon. P. J. Veniot. Hon. J. P. Byrne. S. R. Leger. John G. Robichaud.

Opposition,
J. B. Hachey.
J. L. Ryan.
F. T. B. Young.
J. E. De Grace.

Government.
Jacob W. Steeves.
Arthur A. Stevens.

George W. Warnock. D. Wetmore Pickett.

J. E. Michaud

Lewis Smith.

RESTIGOUCHE COUNTY.

GLOUCESTER COUNTY.

ALBERT COUNTY.

VICTORIA.

MADAWASKA COUNTY.

Hon. W. F. Roberts Hon. W. E. Foster Hon. D. V. Landry, M. D. Col. John Sheridan. W. E. Scully David Roach. are requested to meet for ward organization, Independent Farmer. Pascal Hebert.

each evening, until further notice, as follows: Guys and Brooks Wards-Oddfellows Hall, West Side.

Queens, Kings, Wellington and Dukes-Furlong Building, Charlotte street.

Prince Ward—Moose Hall, Coburg street. Victoria Ward-Victoria Rink, City Road. Dufferin Ward-Young's Hall, Main

Lansdowne Ward-Murray street Hall.

Lorne and Stanley-Scott's Building, Main street, opposite Durham street.

Sydney Ward-Jas. McCormick's residence, 71 Brittain street.

P. D. McAVITY, Chairman. CHARLOTTE COUNTY.

J. W. Scovil. H. R. Lawrence. H. W. Mann. Dr. H. I. Taylor. J. M. Flewelling. Farmers.
S. D. Guptill.
Chauncey Pollard. CONSTRUCTION

Sormany, of this place, interviewed several prominent men in Maine yesterday OF INTERNATIONAL and went before the Edmundston town tion of six of the Seven

BRIDGE STOPPED

Edmundston, Oct. 2--The construction of the International bridge across the St.

John river here has been held up by the governor of the State of Maine who declines to grant the additional appropriation to cover the difference between the estimated cast and contract price of the American half of the total cost. Dr

TEACHERS RESIGN.

THE MAGIC OF HYDRO

For long centuries the mighty waters of Niagara thundered into their rocky gorge without any effort on the part of man to transmit for his own use the great natural force which was entirely going to waste. Less than twenty years ago the first plant was installed on the Canadian side; now the great province of Ontario is a network of Hydro lines with every village supplied and even the farmer turning his wheels with the electrical energy generated at Niagara. It has remained for the Foster government, composed of far-seeing business men as it is, to take the steps necessary to turn the water powers of New Brunswick into practical use. During their short term they have accomplished all the preliminary work on at least five propositions, finding in all some 103,322,020 kilowatt hours capable of being developed on these streams. The yearly requirement of the New Brunswick Power Company, which supplies St. John and vicinity with all power used in industry and for domestic purposes is less than 10,000,000 kilowatt hours. This means that within a very few years there will be produced at less than half the cost per kilowatt hour to the consumer ten times the power now available in New Bruswick's largest city and industrial centre.

The Water Power Commission, appointed by the Foster government has already called for tenders for the construction work required in the development of the Shogomoc and Musquash water powers and both plants, in the opinion of independent engineers, will be ready for operation by December, 1921, or a little more than a year. Linked up with the Shogomoc development is the Pokiok River, which will also be used to supply the Fredericton district, north to all towns as far as Edmundston. The St. John district will have the benefit of the Lepreaux power, as well as the Musquash with extension to the Maguagduavic when required. For the North Shore the Legere site on the Teta-a-Gauche is to be developed and the Miramichi towns, Kent county, and the other North Shore districts supplied.

Regarding the Musquash and Shogomoc sites, for which tenders are already called, the government has before them the report of Messrs. C. H. and P. H. Mitchell, Independent hydro-electric engineers, as follows:

MUSQUASH

On September 13, 1920, we visited the locality of the proposed power development on the Musquash River, seeing the proposed sites of the main dam, ment on the Musquash River, seeing the proposed sites of the main dam, canal and spillway on the West Branch and the proposed sites of the dams and intake on the North-east Branch. We also examined the possible site of the generating station. This whole scheme as outlined by your Chief Engineer appears quite feasible for development from a constructional point of view as well as attractive in its economic features.

On the West Branch of the Musquash the gross hydraulic head to tide proposed is 125 feet but the period of low tide, so that with pipe losses, etc., it would appear to be safe to say that the net head available at a working head would be cheat 117 feet. be about 117 feet.

In the same manner, on the North-east Branch, the gross head available is about 100 feet, of which we consider about ninety-five feet available as net working head.

It is proposed to incorporate the development of these two branches with separate units in the one station, one unit under one head and two units under the other as outlined below.

In estimating power available, the load In estimating power available, the load factor of the system must be taken into account, especially in a system depend-

account, especially in a system dependent on storage such as these powers are. The load factor in an hydro-electric power system is the relation of the average power demand to the maximum power demand. In this case we consider that the load factor of the whole development should be taken as about 40 per cent that is the average continuous that the load factor of the whole development should be taken as about 40 per cent, that is, the average continuous load is 40 per cent of the maximum demand at any time. For economic reasons it is proposed to distribute or apportion the two parts of the development so as to make the West Branch work on a 66 per cent load factor and the Northeast Branch on a 27 per cent load factor, the combined plant then being on a 40 per cent load factor as proposed.

The Musquash generating station as we propose would under these conditions then contain three identical generating units, one being operated by the water from the West Branch and two being operated from the water of the Northeast Branch. The two units would, together, produce under average conditions 8,675 horse power and this power would make about 21,500,000 kilowatt hours available for sale in St. John, allowing for all generating and transmission losses. The sites for intakes, pipe lines, and power station are all adapted for development purposes and are conveniently situated for efficient operation.

It is proposed that transmission of power to St. John would be on duplicate circuits carried on a line of steel towers at generator, voltage, 13,700 volts. This power to St. John would be on duplicate circuits carried on a line of steel towers at generator, voltage, 13,200 volts. This will make the most economical transmission arrangement and would permit of use of power between the generating station and St. John without the use of complicated equipment. Provision is being kept in mind in this for subsequently changing the line over to higher voltage in case it is desired to connect other future stations in this locality to this as future stations in this locality to this as

main line to St. John.



Lepreaux River, Lower Falls, at Tidewater.

Water Powers Chosen For Beginning of Development Scheme

Pokiok and Shogomoc (Fred'n district).... 38,386,320 k.w.h. Musquash (St. John district) 21,500,000 k.w.h. Lepreaux (St. John district) 37,288,900 k.w.h. Teta-a-Gauche (North Shore) 8,146,800 k.w.h.

SHOGOMOC

Power Development can, to a great extent, parallel the foregoing regarding the The Shogomoc River empties into the

The Shogomoc River empties into the St. John River approximately forty miles above Fredericton and about twenty miles from Woodstock.

The Shogomoc watershed is about ninety-five square miles in area above the proposed power dam site. The water supply after the complete storage system is installed as proposed, is estimated to be about 130 cubic feet per second based upon the precipitation and run-off factor for this region. It is borne in mind, however, that under the conditions of the four successive low precipitation years of 1912 to 1916 it is estimated that only 120 cubic feet per second would have been available as continuous flow but as this exceptional continuous flow but as this exceptional condition has only occurred for the one period since 1874, 180 cubic feet per se-

vorking figure.

The power site was visited by us on September 14, and the dam site and canal and pipe line routes were gone over. It appears quite feasible to secure a good arrangement of these portions of the work. The generating station would be located on a rock ledge on the bank be located on a rock ledge on the bank of the St. John River and the Surge tank, or hydraulic control, would be located on a ledge on the high bank behind the generating station.

The gross head to be obtained in the development would be about 255 feet and allowing for the usual hydraulic losses the average net head would be about 270 feet. (This is without reference to the short period during which the high water of the spring freshet on the St. John will temporarily reduce it.) Under these conditions the output would be about 8,000 horse-power at 40 per be about 8,000 horse-power at 40 per cent. load factor, considered on the same basis as already outlined. This would produce about 19,000,000 kilo-

the system.

There would be two units proposed in this plant, each having about 4,000 horse-power output. The electric power country is a suitable of the country of the co would be through transformers suitable for 33,000 volt transmiss In working out a time progress programme of construction it is to be born in mind that the time required for con-struction of the electrical machinery is largely the determining factor. Again on the long pipe lines and storage scheme such as comprised in these developments the various preliminary delays incident on getting the hydraulic system into operation must preferably be done in moderate weather and not in

watt hours, power available for sale on

winter time.

It is highly desirable then that the It is highly destrable then that the plants should be ready for testing out and got ready for operation not later than the 1st of December, 1921, and earlier if possible; if this cannot be accomplished, delay due to the second winter would ensue. This can be best done by letting the contracts for the machinery by December 1 of this year. done by letting the contracts for this year, machinery by December 1 of this year. If such is to be done it would be necessary to have specifications in the hands of the electrical and hydraulic machinery manfaucturers by the latter part of October at the latest.

The receiving station in St. John would make the nower available for distribution in St. John. These definite plans are only the beginning of water power development in New Brunswick. The province is rich in small streams and it is quite feasible to link many of these up in one development as is now being done in Nova Scotia. Hydro-electric power will be turning farm and factory wheels by Christmas, 1921. Under the Foster government

103,322,020 k.w.h.

A BETTER DAY IS DAWNING FOR NEW BRUNSWICK

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