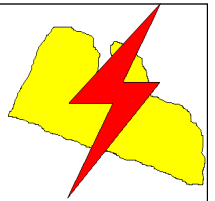




# Mt. Coffee Hydropower Rehabilitation Project

Brief Update: 20 December 2016



**Scope:** Rehabilitation of the hydropower plant (generating units, powerhouse, intake, dam and spillway) and reservoir, the construction of a 132/66 kilovolt (kV) substation at Mount Coffee, two 132/66 kV transmission lines between Mt Coffee and Monrovia, and the expansion of the two receiving substations in Monrovia.

**FUNDERS: MILLENNIUM CHALLENGE CORPORATION (41%), EUROPEAN INVESTMENT BANK (18%), GOVERNMENT OF NORWAY (20%), GOVERNMENT OF GERMANY/KFW (19%), GOVERNMENT OF LIBERIA (2%)**



### Key milestones for upcoming quarter (Jan – Mar 2017):

- ◆ Commencement of wet commissioning of Unit #2 – Jan. 2017
- ◆ Commencement of dry commissioning of unit #3 – February 2017
- ◆ Commissioning and handover of remaining spillway gates
- ◆ Commissioning of 2nd bay Mt. Coffee SS – Jan. 2017
- ◆ Completion of tower erection on the Mt. Coffee – Paynesville transmission line

### KEY MILESTONES ACHIEVED TO DATE:

- ◆ Turbine #1: fully commissioned and operational
- ◆ Turbine #2: 100% assembled; installation nearly complete; #3 assembly in advanced stages
- ◆ Reservoir impounded to 28.5 meters above sea level
- ◆ Seven spillway gates rehabilitated (reinforced) and tested; of these, 2 pre-commissioned
- ◆ Intake gates 1, 2 and 3 installed and dry-commissioned
- ◆ Construction and rehabilitation of the dam (existing and new) completed
- ◆ Construction of the camp completed and fully inhabited
- ◆ Erection and energization of Mt. Coffee – Bushrod Transmission Line completed
- ◆ Construction of Mt. Coffee – Paynesville Transmission Line underway
- ◆ Construction of reservoir access infrastructure nearly 50% complete

### Status:

- ◆ Project began May 2012
- ◆ Construction began January 2014
- ◆ Stalled during Ebola (August 2014 – February 2015)
- ◆ Construction resumed April 2015
- ◆ Currently >80% physically completed
- ◆ First power achieved: 15 December 2016
- ◆ Target for project construction completion: 31 August 2017



**Contractors:** MANITOBA HYDRO INTERNATIONAL : Project Implementation Unit, NORPLAN FICHTNER: Owner’s Engineer, VOITH : Hydroelectric Generating Equipment, DAWNUS : Civil Works, ANDRITZ : Hydraulic Steelworks and Auxiliary Systems, NCC : Substations, ELTEL: Transmission Lines, PSM JV : Camp construction and services, HYDRO OPERATION INTERNATIONAL : Operation, Maintenance & Training