

## B-roll footage

### Vattenfall takes first step in creating international biomass portfolio

This B-roll has been produced by Creo Media Group on behalf of Vattenfall.

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## B-roll shotlist

Time code in	Description of footage
00:00:00	Opening slates
00:00:06	GVs, Grand Bassa County Road through rubber farm Main road Monrovia – Buchanan
00:01:04	GVs, Rubber Production Process Harvesting of latex. Pouring latex in coagulation basin. Cutting coagulated latex. Washing of rubber Preparing rubber blocks Piling up rubber blocks. Preparing rubber cargo.
00:02:42	GVs Woodchip Production Process Felling of non productive rubber trees in overgrown farm. Piling rubber logs for chipping. Chipper running and loading. Unloading chips in Buchanan Harbour.
00:03:53	GVs Buchanan Renewables HQ Buchanan Renewables HQ, Monrovia.
00:04:17	GVs, Buchanan Renewables Operations, Buchanan Buchanan Renewables' local office, equipment, clinic.
00:04:38	IVs, Göran Lundberg, Vice president, biomass, Vattenfall.  It is a complete operation that we invest in with the purpose to expand rapidly both for local use and primarily for exports. It has all the environmental management systems in place, its high ambition, it's has it'own nursery for rubber plants, it has a strong local CSR perspective.
00:05:14	IVs, Liam Hickey, Operating manager, Buchanan renewables.  Our objective if you like is to rehabilitate the rubber industry, to provide Liberia with a

	<p>sustainable, renewable fuel source to generate electricity, and also to provide export earnings. What we really want to do now is to take this business into the next level and that requires a large company with both the resources and the foresight to bring it to the next level.</p> <p>The next level basically is to considerably grow the business here, the export business of woodchips. On our own we can do eighteen to thirty thousand tonnes a month, but with the lights of Vattenfall coming on board Vattenfall can bring this up to two, two and a half million tonnes a year without any problem.</p>
00:06:25	<p>IVs, Dr Richard V. Tolbert, Chairman, National Investment Commission of Liberia.</p> <p>We have hundreds of thousands of acres of old rubber trees that are really not doing anything. We need to have them cut down and replaced. Due to the war many farms have been abandoned and there is not enough replanting. Our rubber industry is the second largest employer after the government and the number one export, currently was almost declining, was dying because of the 500- 600 000 acres of rubber trees I would say one third of them needed to be replanted but because of over a decade of war they had not been replanted.</p> <p>In 2007 I held an investors forum in Washington DC, I think it was April 2007, a one day investment forum. And several hundreds of investors, potential investors showed up. Buchanan Renewables were the people who came and listened to our pitch, and within a matter of months they were on the ground, they had brought the equipment, they had engaged employment here, they created some seven hundred jobs, within twelve months of us having that investment forum. So, it was a tremendous success I remember when they first vessel arrived with the vehicles, everybody was so astounded that the number of equipment they brought, the President herself went down to the port along with myself to receive them, you know this is a time when we barely had less then a few dozen pieces of capital equipment in our own ministry of public works and this company showed up with some 70, 80, 90 pieces of equipment to begin their work.. So, our experience has been very positive in terms of their ability to deliver, the speed in which they delivered and most importantly for me, the creation of jobs.</p> <p>We have an estimated 500 to 600 thousand acres of planted rubber trees in the country, of which I would say no less than a third, to a half, are in need of replanting. And the beauty of his scheme for Liberians farmers is that Buchanan Renewable and Vattenfall, they will come along, they will pay the farmer to remove their old trees, which many of the farmers have no money to do right now. But they insist there must be a replanting. So for every one tree that is removed, there is at least one or two trees that has to be replanted. Not only will we get a rejuvenation of our rubber industry, but we might even get an expansion of going forward. In order to generate the kind of exports that Vattenfall needs, I understand it is probably two to three millions of woodchips a year, you do not need by the estimates I have seen anything more than about ten thousand acres of old trees to be cut down per annum. We got some 600 000 acres planted as I said, if you take any amount of those, one third need to be replanted, you will be no in the near of deforestation so I think thee is more than adequate supply, I fact it will help us to regenerate our rubber industry and plant more new fresh rubber trees.</p>
00:09:17	<p>IVs, Dr Eugene H Shannon, Minister of Lands, Mines and Energy.</p> <p>Vattenfall coming in to collaborate in a joint venture relationship with BR I think is a positive thing and we look forward and we look forward to that because it will improve the energy sector, it will bring competence to the community and these guys coming in they have credibility, and definitely they will provide well and efficiently and we are looking forward to come into partnership with Vattenfall and of course BR.</p> <p>I think we have shown that that we are serious, and that we have maximized any money that have been given to us in the interest of our people. One sees the life of the president. She lives in her own house, she flies in an ordinary plane, a commercial plane, she has not bought a plane that most people would do as soon as they become presidents weather they have the funds or not they buy a jet and fly over the world.</p>
00:09:59	End B-Roll