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# Forecasted Cash Flow from Projects 2018

November 1, 2017

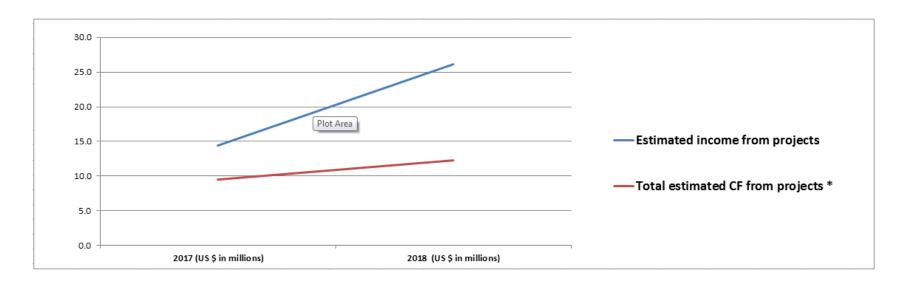
### Estimated 2018 CF Projection from Projects, (USs in million)

	Italy and Spain	Talmei Yosef,	Waste to	Waste to	
	PV	Israel 9 MW PV	Energy NL	Energy NL	US \$ in millions
			GGG 1.1.2018-	GGOT 1.4.18-	
			31.12.2018	31.12.2018	
Projects income	14.4	4.6	4.1	3	26.1
Operating Costs and G&A of projects	-2.8	-0.6	-2.1	-1.8	-7.3
Financing Expenses, Net	-0.7	-1.2	-0.1	-0.1	-2.1
Tax Expenses	-1.3	0.0	-0.2	0.0	-1.5
Net expected CF from projects	9.6	2.8	1.7	1.1	15.2
Principal payments (project finance)	-1.4	-1.7	-0.6	-0.3	-4.0
Net expected CF from projects after debt service	8.2	1.1	1.1	0.8	11.2
Minority rights	0	0	-0.5	-0.4	-0.9
Ellomay's share of net expected CF from projects	8.2	1.1	0.56	0.41	10.3
Ellomay's expected CF from Dorad					2
Total 2018 estimated CF from projects *					
					12.3

Based on the following FX rates: NIS/EUR - NIS/USD - 3.51; USD/EUR - 1.181

<sup>\*</sup> The CF presented in the table is presented on a per project basis and does not include corporate expenses and Series A and Series B debentures related expenses.

### 2017 Vs. 2018 (US\$ in million)



	2017 (US \$ in millions)	2018 (US \$ in millions)
Estimated income from projects	14.4	26.1
Total estimated CF from projects *	9.5	12.3

Based on the following FX rates: NIS/EUR – NIS/USD – 3.51; USD/EUR – 1.181

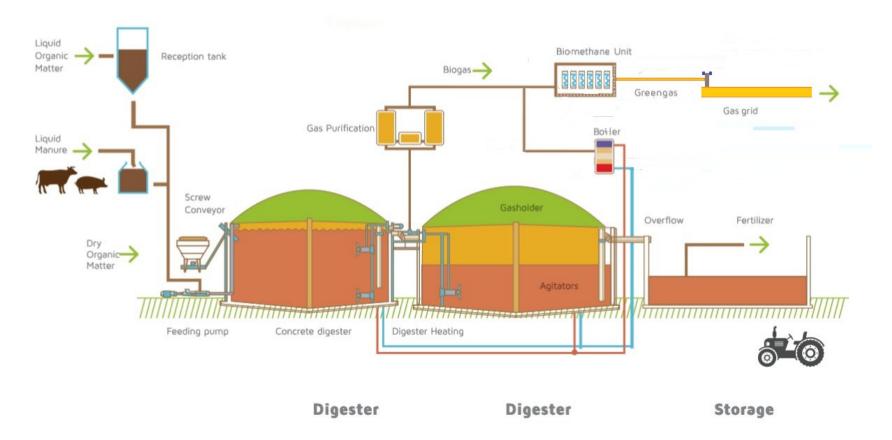
Website: www.ellomay.com NYSE American: ELLO

<sup>\*</sup> The CF presented in the table is presented on a per project basis and does not include corporate expenses and Series A and Series B debentures related expenses.





## **Production Chain of a Biogas Facility**



The Goor Project also includes a CHP (combined heat and power) system for the manufacturing of electricity and heat



### **The Goor Project**



\* Goor Site



\* Inside a digester



\* Upgrading Room



\* Upgrading Room

The construction of the project is advancing as planned (completion expected during November 2017)



#### The Goor Project – General Details

The Goor Project is the first project out of the biogas projects planned in connection with the cooperation with Ludan

#### **Expected Annual Facility Output**

- Manufacturing Hours Approx. 8,000 hours (8,766 hours X efficiency rate of 91%)
- Gas Manufacturing Scope 3 million M³
- Electricity Manufacturing Scope 5.6 million KWH.
- Heat Manufacturing Scope 10,800 GJ

Supplied to the national electricity grid

For internal use as part of the gas purification process

#### **Construction of the Facility**

- Expected construction cost (CAPEX) Approx. Euro 9.7 million
- Expected construction duration Approx. one year
- Status facility testing stage, take over planned for mid November 2017



### The Goor Project – Main Agreements

- Financing Agreement
- Feedstock Agreement
- Off-take Agreements sale of gas, electricity and green certificates

#### The Goor Project – Financing Agreement

#### Principles of the Agreement:

- Financing Bank Coöperatieve Rabobank U.A.
- Scope of Senior Debt Euro 5.6 million for 12 years (A and B Facilities)
- LTC of approx. 60%
- Fixed annual interest for 5 years of 3% (Facility A) and 2.5% (Facility B Green Loan)
- Equity / shareholders loans Approx. Euro 4.1 million¹



#### The Goor Project – Feedstock Agreement

### Principles of the Agreement:

- Supplier Oude Lenferink
- Supplying all of the waste required in order to operate the facility
- "Gate Fee" price payment from the supplier to the project for receiving the waste (as the facility provides the supplier with a waste disposal solution)
- Other waste price payment to the supplier for providing other types of waste that the facility requires
- Payment for removal of the digestate from the facility



#### The Goor Project - Off take Agreements

**Undertaking to** Price Agreement **Purchase Energy Undertakings** Agreement for the sale of gas Undertaking to purchase energy for the Market prices duration of the subsidy (SPOT) Agreement for the sale of (12 years) electricity Agreement for the sale of green Undertaking to certificates from the production purchase green Fixed price for 12 years of "green" gas certificates for 12 years Agreement for the sale of green Undertaking to certificates from the production purchase green Fixed price for 3 years of "green" gas certificates for 12 years



#### The Goor Project - Regulation

SDE +
Subsidies for Production
of Green Energy



Gate Fees for a "green" solution to waste disposal





## Subsidies granted to the Goor Project for 12 years

- for manufacturing "green" gas
- for manufacturing "green" electricity
- for manufacturing "green" heat

Gate fees were agreed on with the waste supplier in the Feedstock
Agreement



#### The Involvement of the Company in the Project

The Process

**Details** 

The EPC / O&M Agreements Commercial negotiation and drafting agreements in consultation with legal counsel and an international technical/engineering consultant

The Feedstock Agreement  In-depth analysis of the waste requirements of the project and waste availability

 Commercial/technical/legal negotiations using an international technical/engineering consultant

Inspection of Facility
Construction

Ongoing inspection of meeting the construction schedule, analysis of monthly progress reports and visits to the site for quality assurance – all through engineers on our behalf

Approval of Payments to Contractor

Approval of payments to the contractor based on meeting milestones set in the EPC agreement through engineers on our behalf









November 2017





## Ellomay Capital's Purchase of Talasol

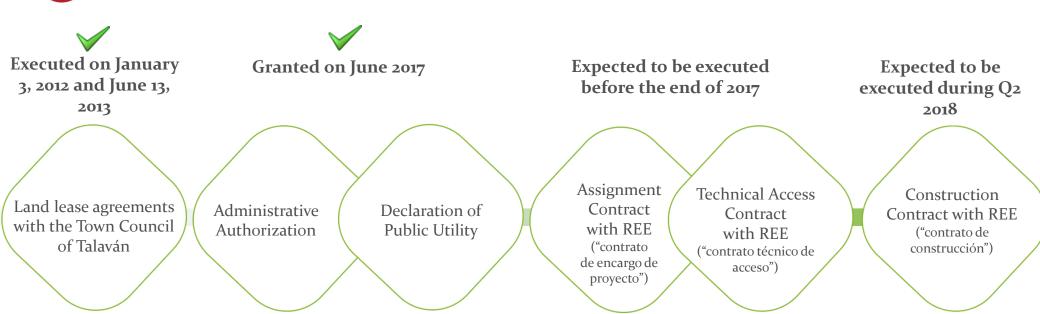
- On April 2017 Ellomay entered, through one of the its subsidiaries, into a share purchase agreement (the "SPA") pursuant to which it purchased and acquired the entire share capital of a Spanish company, Talasol Solar S.L. ("Talasol"), that is promoting the development and construction of a photovoltaic plant with a peak capacity of 300 MW in the municipality of Talaván, Cáceres, Spain (the "Project").
- The SPA provides that the purchase price for Talasol's shares is Euro 10 million (approximately \$10.9 million), payment of which is subject to the non-occurrence of customary conditions subsequent in these type of transactions. From the total amount of the purchase price, an amount of Euro 2 million (approximately \$2.18 million) will be retained and withheld by Ellomay until the earlier of the commissioning of the Project or the third anniversary of the SPA.
- The SPA includes customary representations and warranties. The SPA includes several conditions subsequent, the occurrence of any of which by June 30, 2018 will allow Ellomay to automatically terminate the SPA. These conditions include receipt of certain regulatory approvals and entry into certain material agreements with third parties. The SPA further provides the sellers with rights to terminate the SPA in the event the regulatory approvals are granted and Ellomay or Talasol fail to take certain actions required in order to advance the Project.







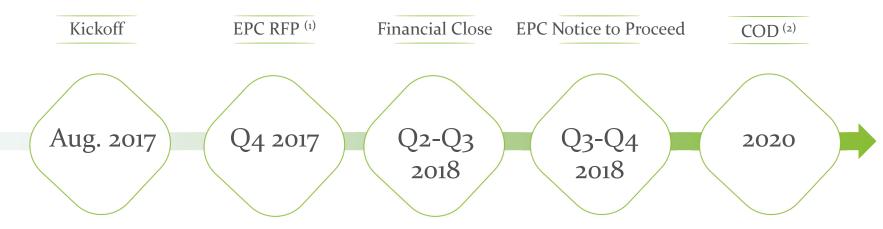
### Agreements, Permits, Authorizations and Licenses - Status







## Estimated Project's Key Milestones

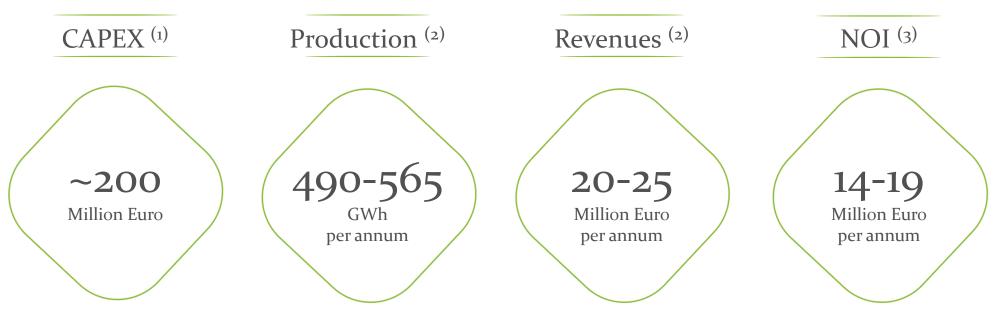


- (1) Submission of RFP documents. Bids submission expected in the beginning of Q1 2018, and closing of the EPC contract expected by financial close.
- (2) COD will be finally determined during Q2-Q3 2018, when the construction contract with REE is expected to signed.





### Initial Estimation of Key Economic Parameters



- (1) Based on an initial study performed by Ellomay's technical advisors, the Project's CAPEX including development costs (approximately Euro 20 million) and interest (approximately Euro 7 million) is expected to be approximately Euro 200 million, depending on the terms of the EPC agreement that will be executed in connection with the Project and other factors. Tendering the EPC contract is expected to reduce the EPC costs.
- (2) The Project is expected to produce approximately 565GWh per year, and based on the "base case" scenario of a prices projection study is expected to yield revenues of approximately Euro 20-25 million per year. Talasol is negotiating long-term off take agreements with a short list of reputable off-takers with at least an investment grade credit rating.
- (3) Ellomay expects that the Project's operating and G&A expenses will amount to an aggregate of approximately Euro 6 million and, therefore, revenues net of such expenses are currently expected to be approximately Euro 19 million per year.





# **Thank You**

