



# Update on Solar Photovoltaic (PV) Landfill Project

# Present Status

- ▶ Electrical Design – Interconnection Drawings completed and submitted to Central Maine Power
- ▶ Received preliminary approval from Central Maine Power for 875kW AC Photovoltaic system
- ▶ Photovoltaic Panels purchase order issued
- ▶ Power Purchase Agreement in final negotiations (Critical Path)
- ▶ Tangent will file for solar project tax exemption in order to be exempt from property taxes to ensure tax exempt status for next April

# Preliminary Site Plan



# Project Schedule's Major Milestones

Task	Date
Notice to proceed with Tangent	2/11/20
PPA Approval	5/27/20
Easement Worksheet with CMP	5/27/20
Field Planner Meeting with CMP	6/1/20
DEP Permit Submission	7/31/20
Construction Begins	10/26/20
Energize	12/23/20
Substantial Completion	1/11/21
Final Completion	1/15/21



# Next Steps (Electrical)

- ▶ Electrical Engineering
  - ▶ Electrical Design
  - ▶ Equipment Procurement
    - ▶ Photovoltaic Inverters and Racking
    - ▶ Electrical equipment (switchboard)
- ▶ Central Maine Power
  - ▶ Field Planner Meeting - June 1
  - ▶ Load Study (Load >500kW) with Distribution Planning Department maybe required (2 Months)
  - ▶ Design/Estimate Development (1-2 Months)
  - ▶ Easement Worksheet completed by Town of Falmouth
  - ▶ Standard Easement Deed finalized between CMP and Town of Falmouth

# Next Steps (Environmental/Permits)

- ▶ Environmental Engineering
  - ▶ Landfill/Civil Design (2 months)
    - ▶ Landfill Site Inspection
    - ▶ ME DEP Closure vs Site Conditions Report
    - ▶ Landfill Cover System Geotechnical Evaluation
    - ▶ Land Survey
    - ▶ Civil Design and Stormwater Management
    - ▶ Maine DEP Permit Application Preparation
  - ▶ Maine DEP Permitting (3-5 Months)
  - ▶ Building and Electrical Permits

# Next Steps (Town of Falmouth)

- Approval of Solar Power Purchase Agreement
  - Key terms of Agreement
    - 20 year agreement with purchase option after year 6
    - Locked in price with no escalator
    - Net Energy Billing Credits produce projected Year One savings to Town of \$67K and total savings of \$1,995K over term of Agreement
    - Covers 70% of Town's electricity load
  - Authorize Town Manager to sign Power Purchase Agreement and supporting documents (e.g. CMP Easement)