

**NET METERING CREDIT OFFER & LANDFILL  
SOLAR PV ANALYSIS  
TOWN OF ANDOVER  
OCTOBER 5, 2015**





# SYNCARPHA OFFER

- Additional **1.6 million kWh** available
  - About equal to what landfill could theoretically produce (solar + recycling facility option)
- New total would equal **76%** of Andover's load in NGRID WCMA
  - Right in-line with best practices
- Estimated to save the Town an additional **\$106,000 per year.**

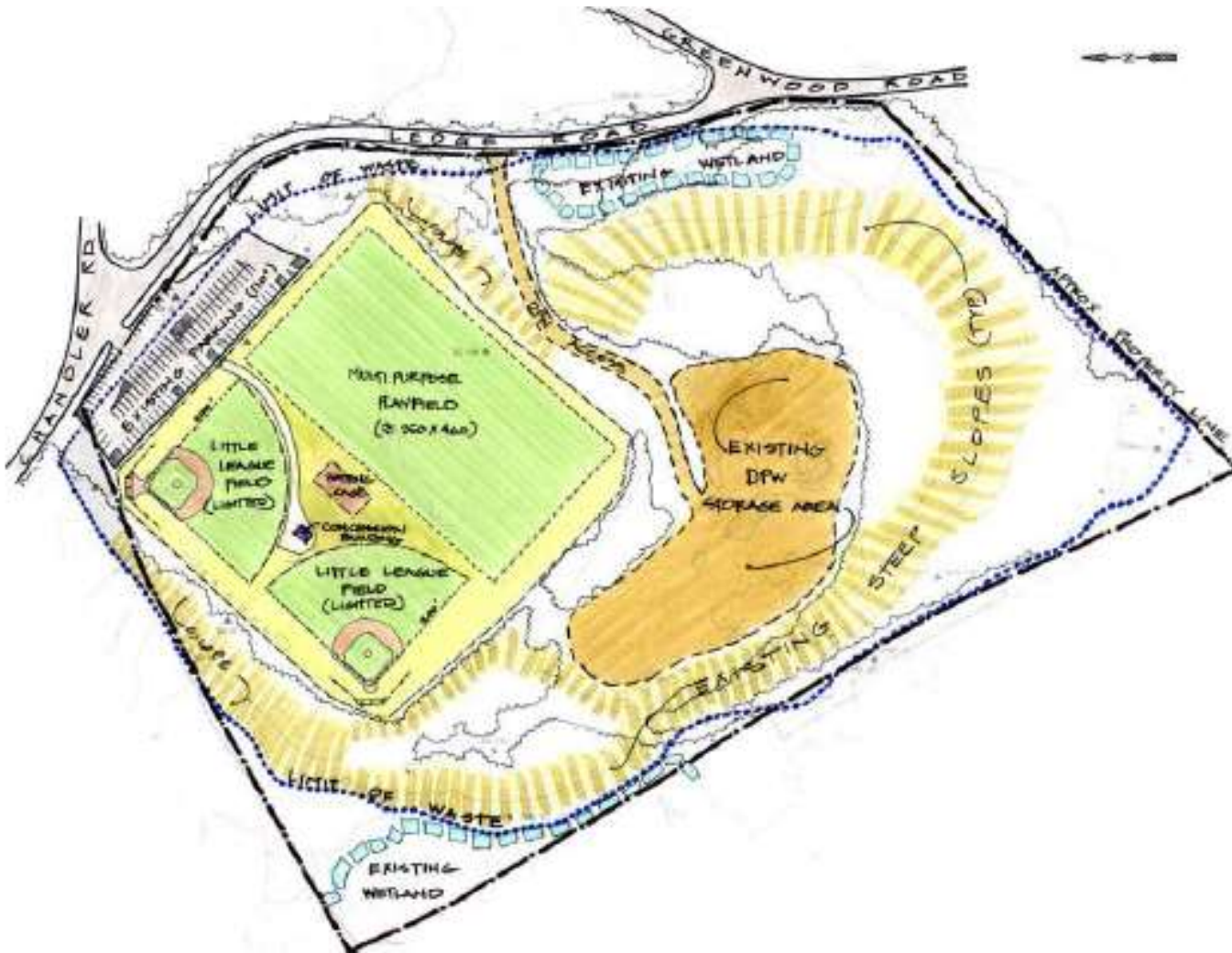


# LATEST POLICY UNCERTAINTY



- Net metering cap is still full in NGRID territory
- Comprehensive solar policy re-design is on the table
- Federal tax credit set to expires at end of 2016—landfill would not even be capped until 2017
- Governor’s proposal would significantly reduce net metering credit rate
- Proposed virtual net metering revisions could limit ability to sell power to another offtaker for future projects
- Landfill project likely to be built after 1600MW state solar goal is reached (around 2018) likely affecting SREC values in addition to net metering policies

# LANDFILL ANALYSIS

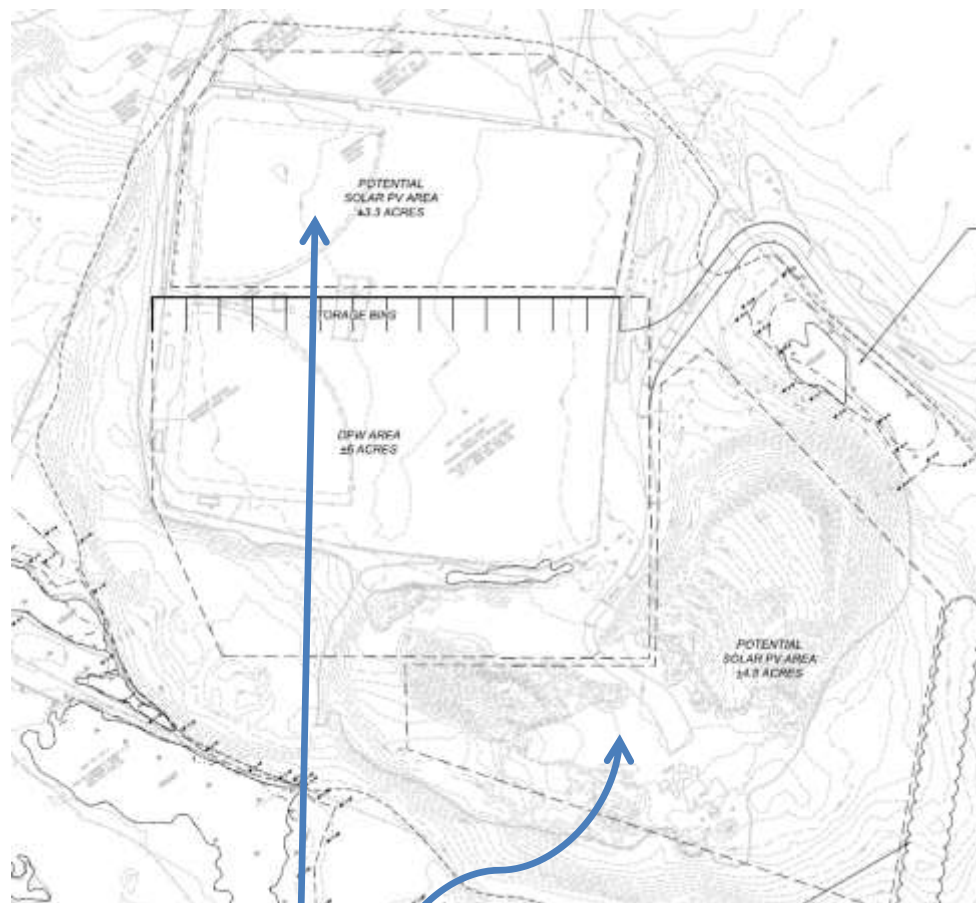


Source: CDM



# SOLAR AND RECYCLING FACILITY

- Could support about 1.5MW (8.1 acres)
  - 1.7 million kWh
- Purchase cost about \$4.4 million; 3.25% bond
- Potential PILOT + Lease revenue = \$45,000



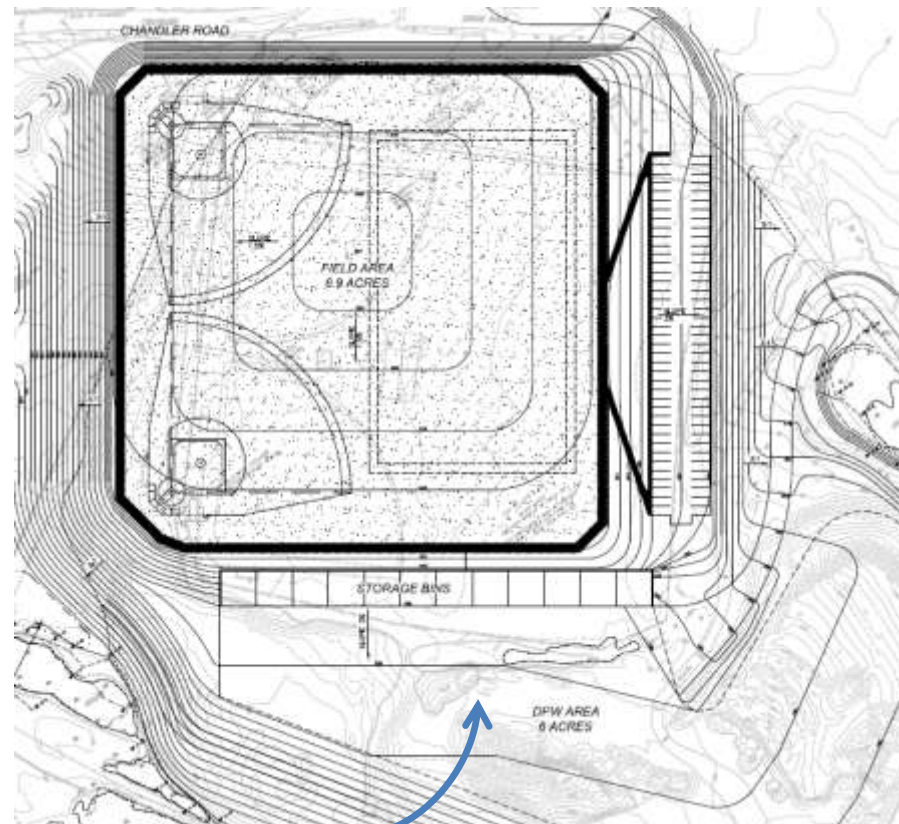
Source: CDM

8.1 acres for solar



# SOLAR AND FIELDS

- Could support less than 1MW
  - < 1 million kWh
- Purchase cost about \$3 million; 3.25% bond
- Potential PILOT + Lease revenue = \$30k/year



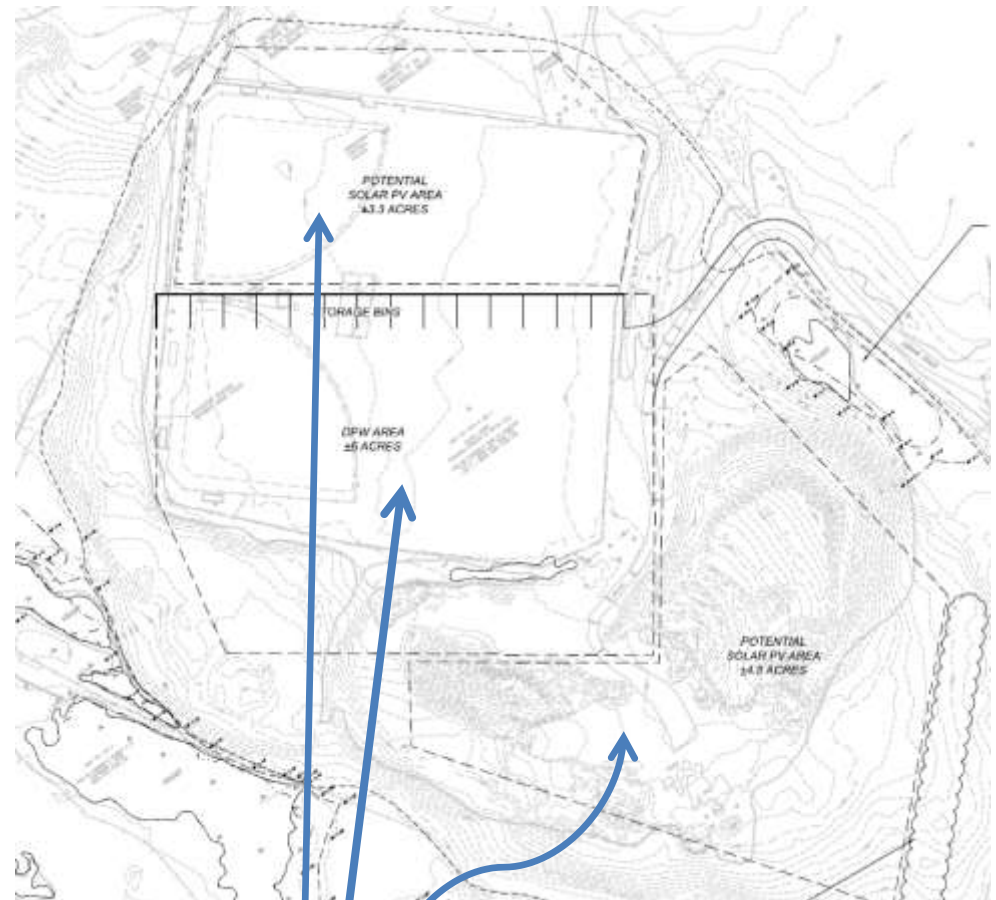
Source: CDM

< 6 acres for solar



# SOLAR ONLY

- Could support about 2.5MW (14.1 acres)
  - 2.9 million kWh
- Purchase cost about \$6.6 million; 3.25% bond
- Potential PILOT + Lease revenue = \$75,000/year



Source: CDM

8.1 acres for solar



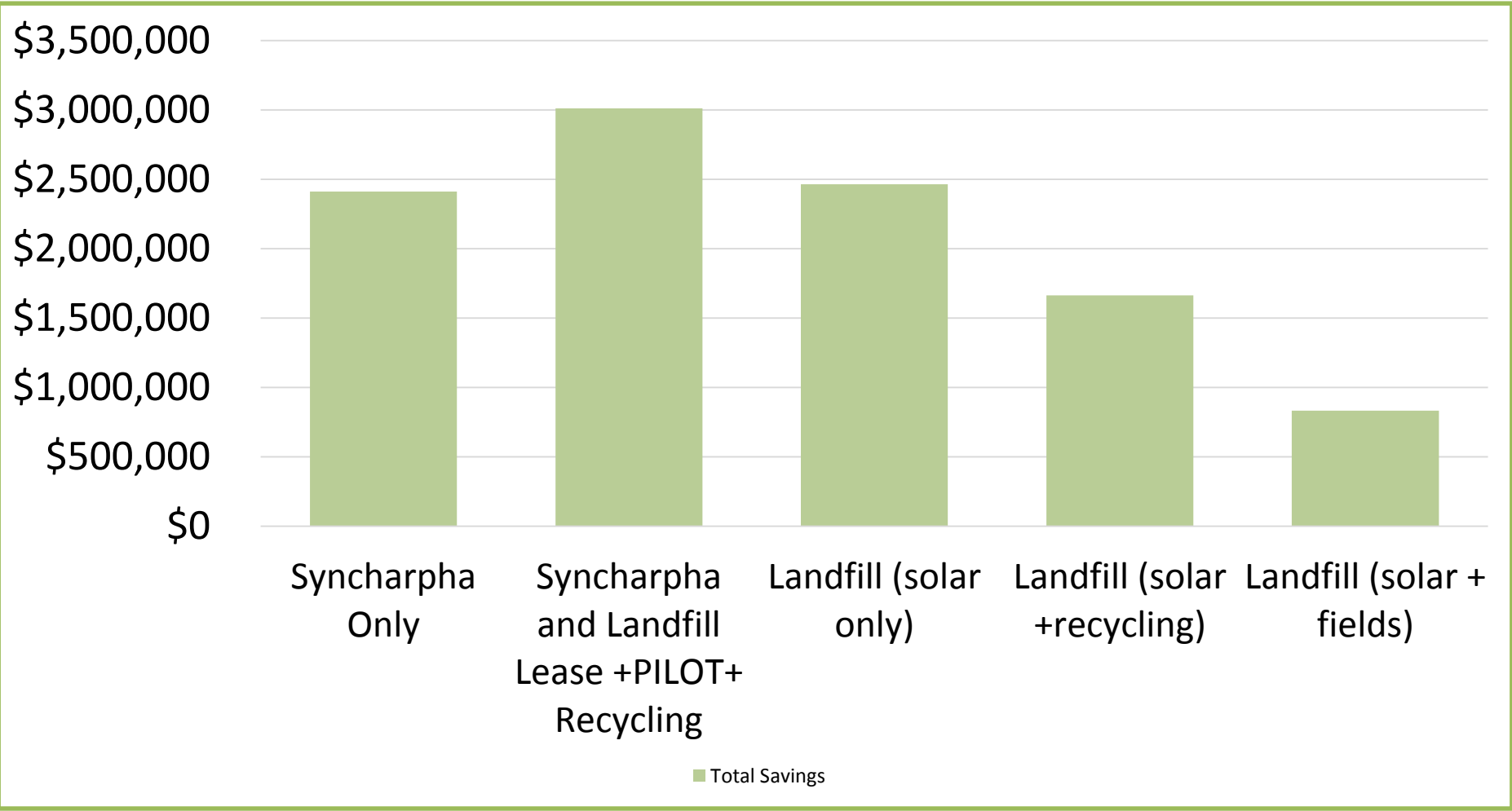
# SUMMARY OF OPTIONS (ESTIMATES)

Option	Pilot + Lease Payments	Savings per year	Uncertainty
<b>Syncarpha + Landfill net metering</b>	n/a	n/a	n/a
<b>Syncarpha Only</b>	0	\$106k	lower
<b>Syncharpha + Landfill Lease + PILOT + Recycling facility</b>	\$45k	<b>\$151k</b>	lower
<b>Landfill with solar only</b>	0	\$125k	high
<b>Landfill with solar and recycling facility</b>	0	\$75k	high
<b>Landfill with solar and playing fields</b>	0	\$35k	high





# SUMMARY OF OPTIONS (ESTIMATES)





# OPTIONS ANALYSIS SUMMARY

- Syncharpha offer saves the Town an additional **\$106,000 per year**, if you add future lease and PILOT payments for a landfill, total projected savings to the Town could be about **\$151,000 per year**.
- If the Town owned the landfill project, projected savings could be about **\$75,000 per year**. State incentives are likely to be lower when the project is built than they are today.



QUESTIONS?

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