Solar Feasibility Studies

3 May 2018
Solar Power in MVWSD
Solar Power

• The Strategic Plan states “...the District will maintain a balanced general fund.”
• Solar energy can potentially provide a savings to an entity’s electricity bill.
Solar Feasibility Studies
Summary of Solar Energy Presentations

• Climatec
  – with solar carports, shade structures, possible roof applications, HVAC, windows, building automation estimated savings $667,000 per year

• Engie
  – with solar carports, shade structures, possible roof applications, and efficiency changes estimated savings $500,000 per year

• Sage Renewables
  – with solar carports, shade structures, possible roof applications, estimated savings $470,000 per year
Potential Impact
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• The potential impact could be significant to the General Fund.

• The general concern is estimated savings are not realized. Depending on the financial model selected, the District has potentially spent a large sum of capital funds or is subject to monthly/annual loan payments.
Next Steps
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• With Board direction, the next steps are:
  – seek legal guidance to explore a financing model;
  – a Request for Proposal for design including the anticipated amount of savings each year, and approval on the final design; and,
  – installation of a solar solution.

• A rough timeline could set installation for Summer 2019, or sooner, depending on the final design implemented, if any.