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West Tennessee Solar Farm

Tennessee Solar Symposium
November 10, 2009
Nashville, TN



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Monday, November 16, 2009

Volunteer State Solar Initiative

- \$62.5 million ARRA funds
 - DOE grant to ECD, State Energy Program
- 2 related projects:
 - Tennessee Solar Institute at UT and ORNL (\$29.7 M)
 - West Tennessee Solar Farm near Brownsville (\$31 M)
- Designed to leverage existing solar base, support recent solar recruits, and attract new solar investments



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Solar Farm Objectives

- Demonstrate utility-scale solar power production
 - 5 megawatts, largest in Southeast
 - PV array footprint of about 20 acres
- Demonstrate connectivity to power grid
- Educate the public
- Re-invest net proceeds from power sales in expansion, improvements, education
- Integrated with TDOT interstate Education & Welcome Center to be co-located with Solar Farm



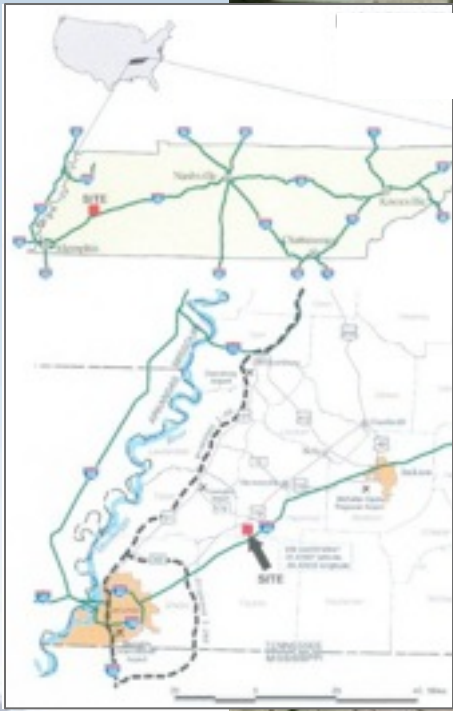
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Other Solar Farm Benefits

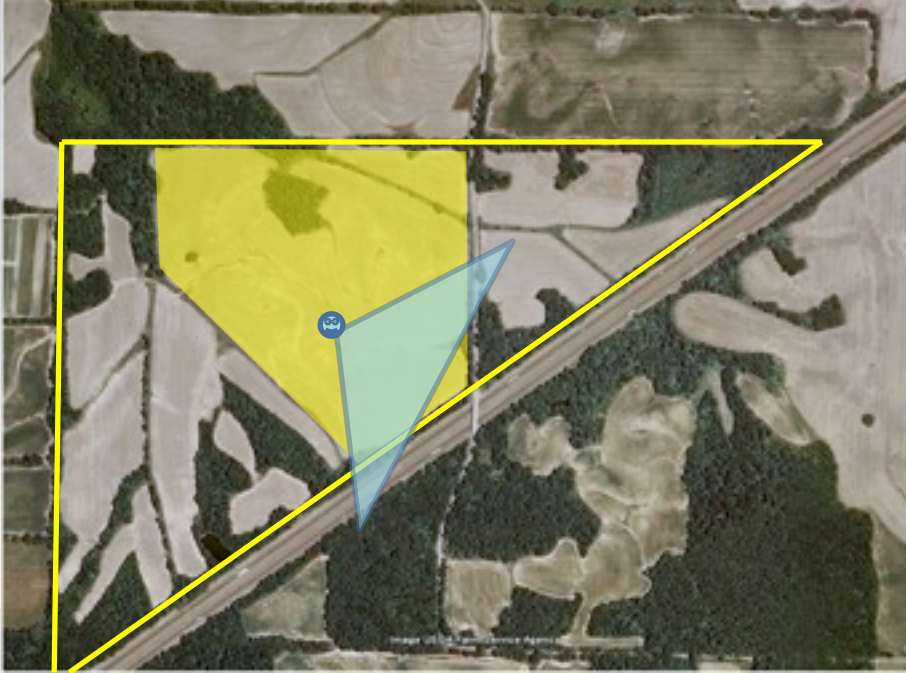
- Opportunity to demonstrate new technologies, materials
 - Faster commercialization of Solar Institute innovation
- Showcase Tennessee's leadership position in clean, renewable energy
- Potential for multiple points of integration:
 - Highway pull-off welcome/education center
 - Solar powered electric vehicle recharging stations
 - Workforce development through degree, certification programs



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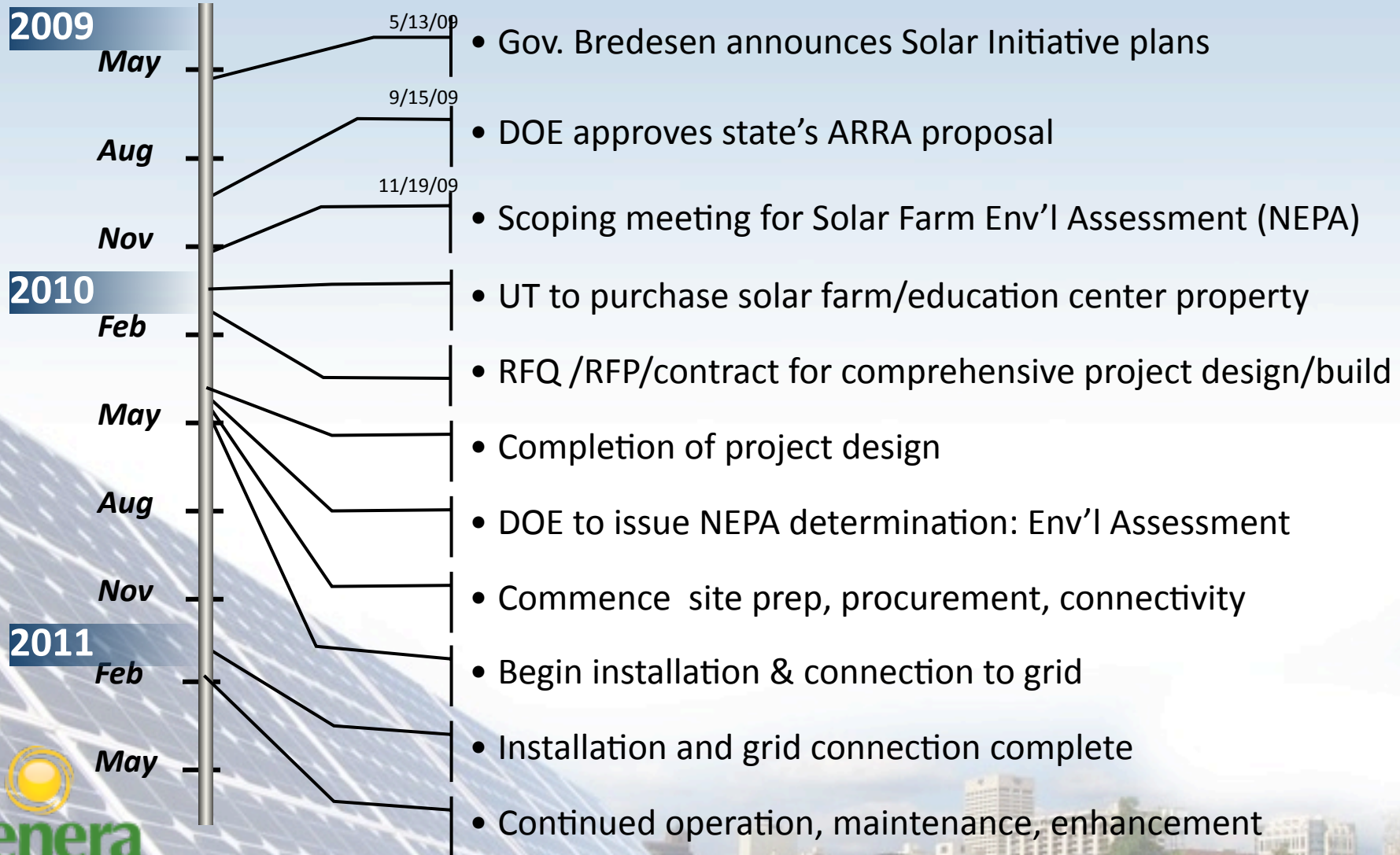


Expect fixed mount multicrystalline solar panels and small scale demonstration of next generation technologies



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Anticipated Timeline (draft)



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