



Solar-Powered Electricity in Pennsylvania: Trends

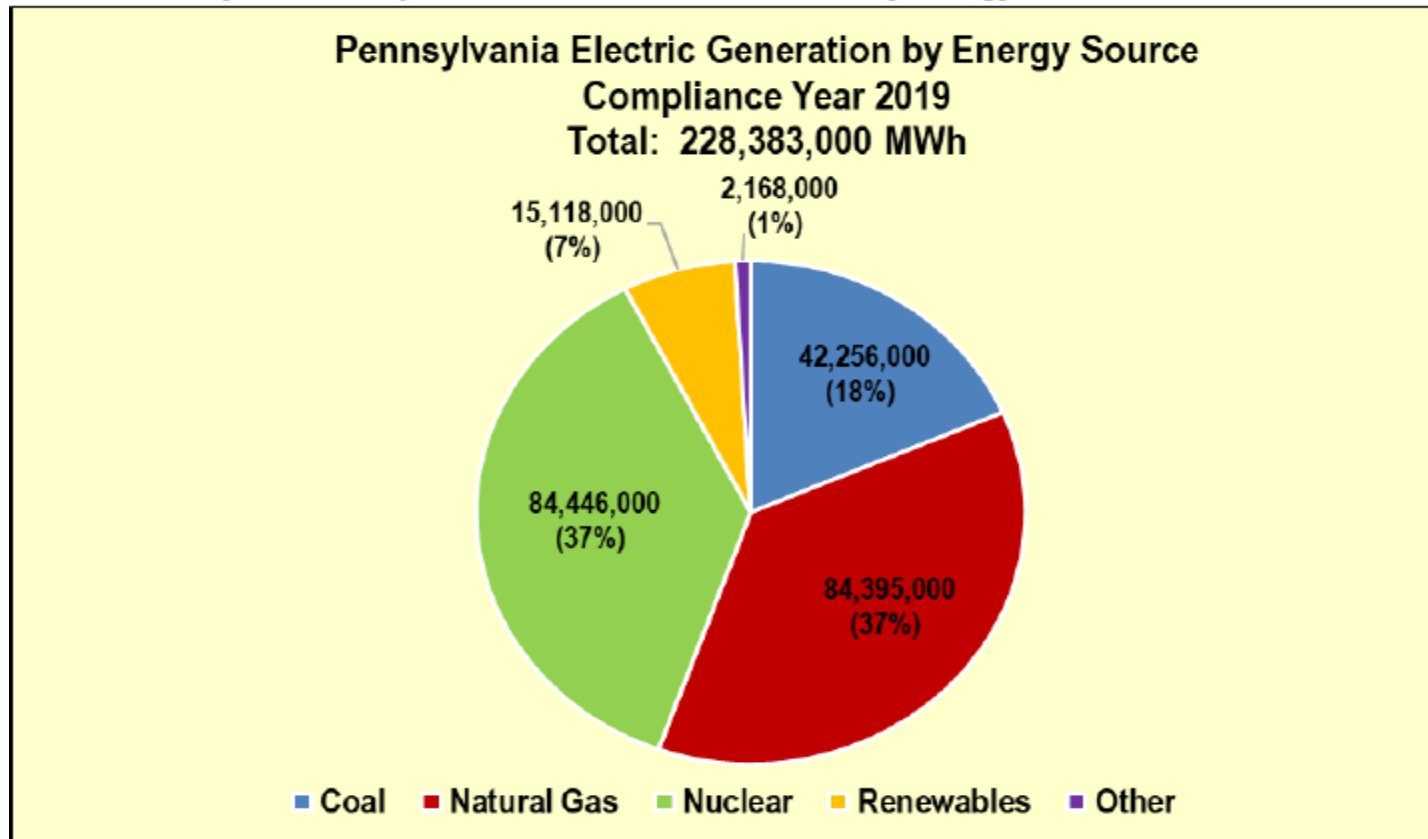
Pennsylvania Farm Show

January 12, 2021

Tom Wolf, Governor

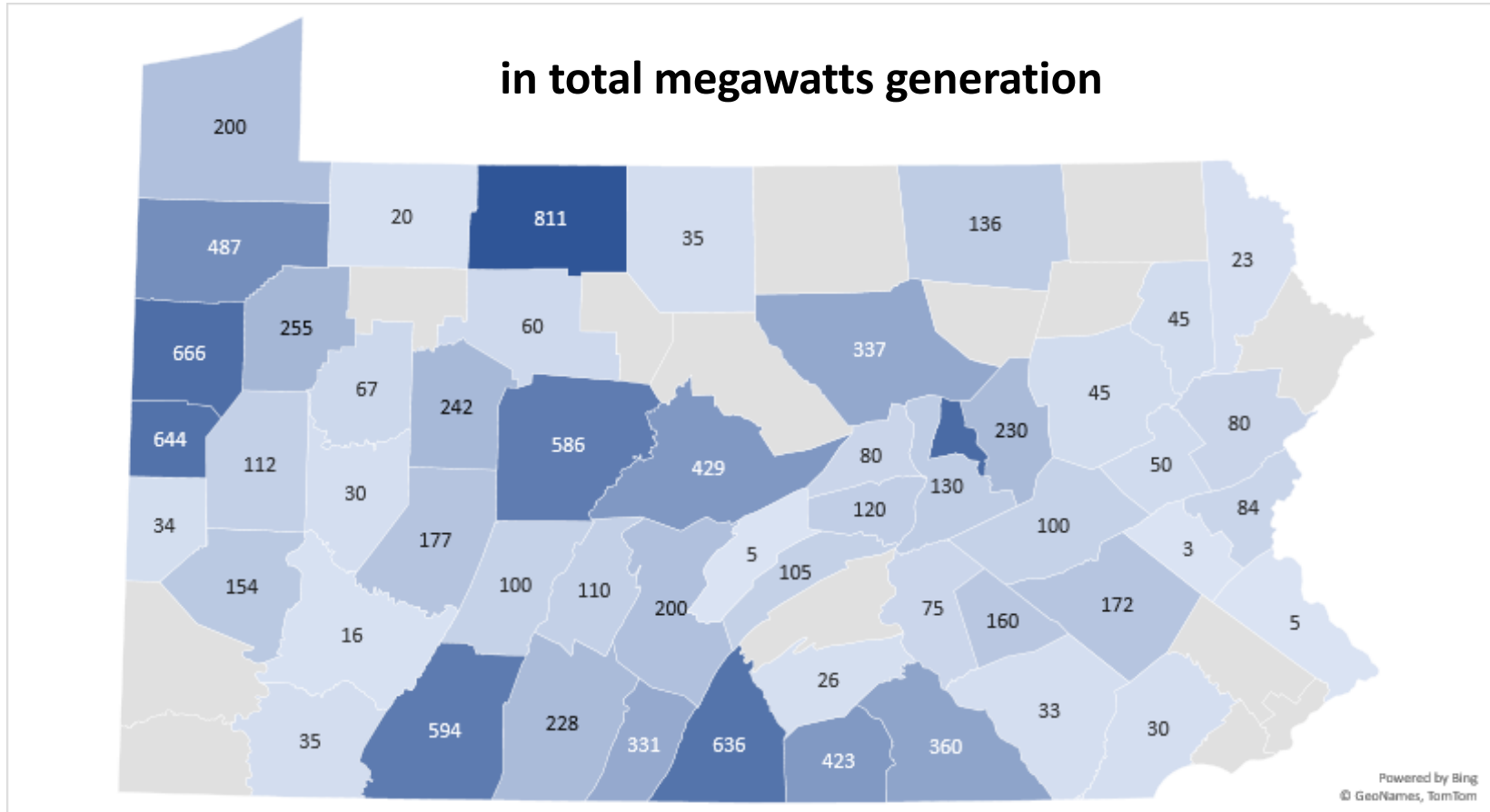
Patrick McDonnell, Secretary

Electrical Generation by Source



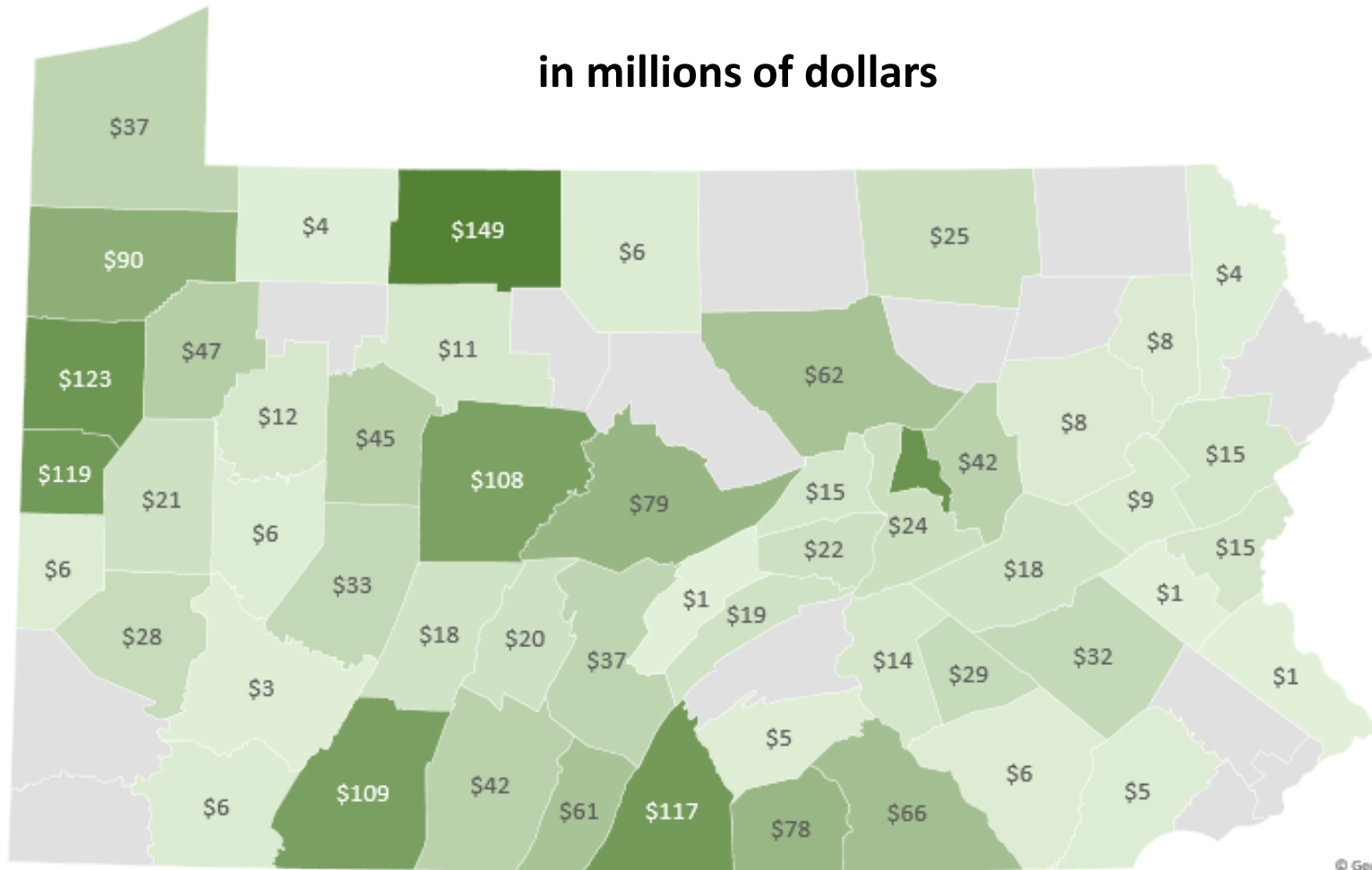
Source: *Alternative Energy Portfolio Standards 2019 Annual Report*

Proposed Grid-Scale Solar Projects



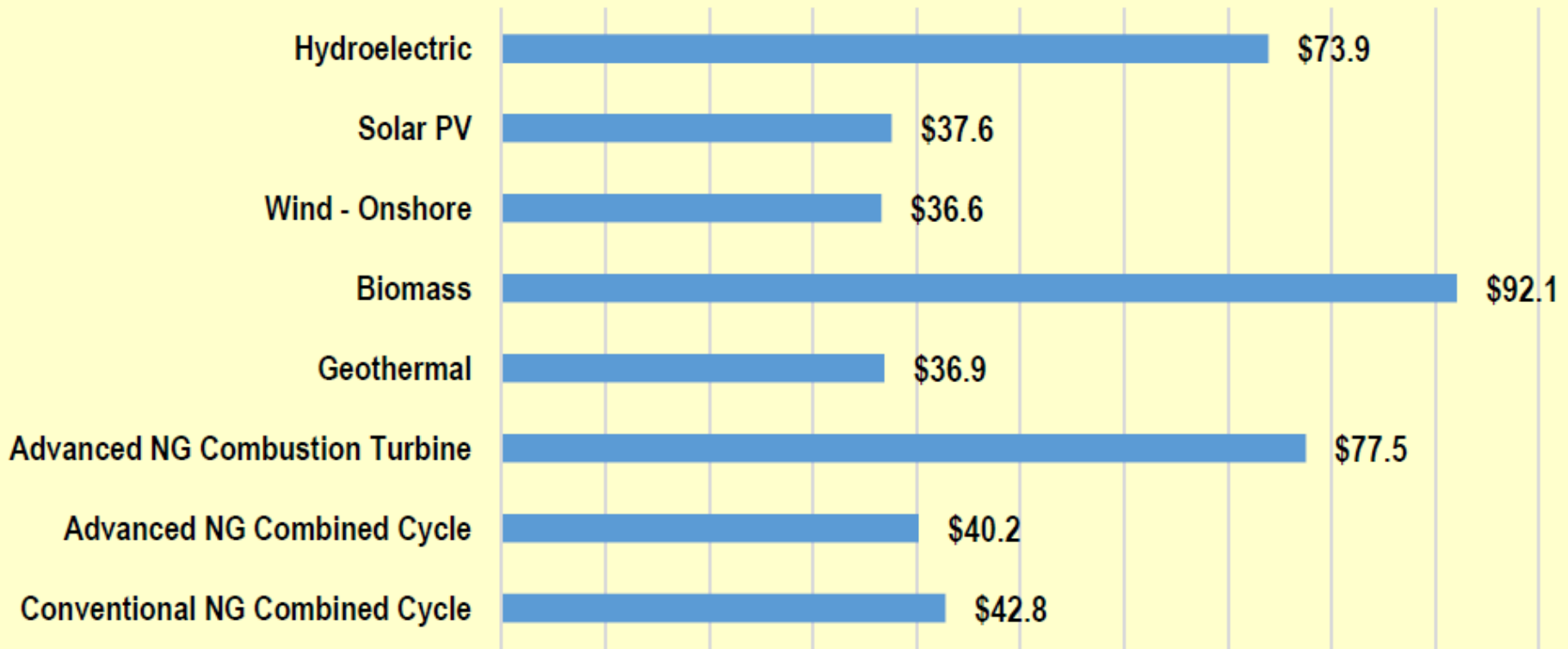
Local Investment Potential

in millions of dollars



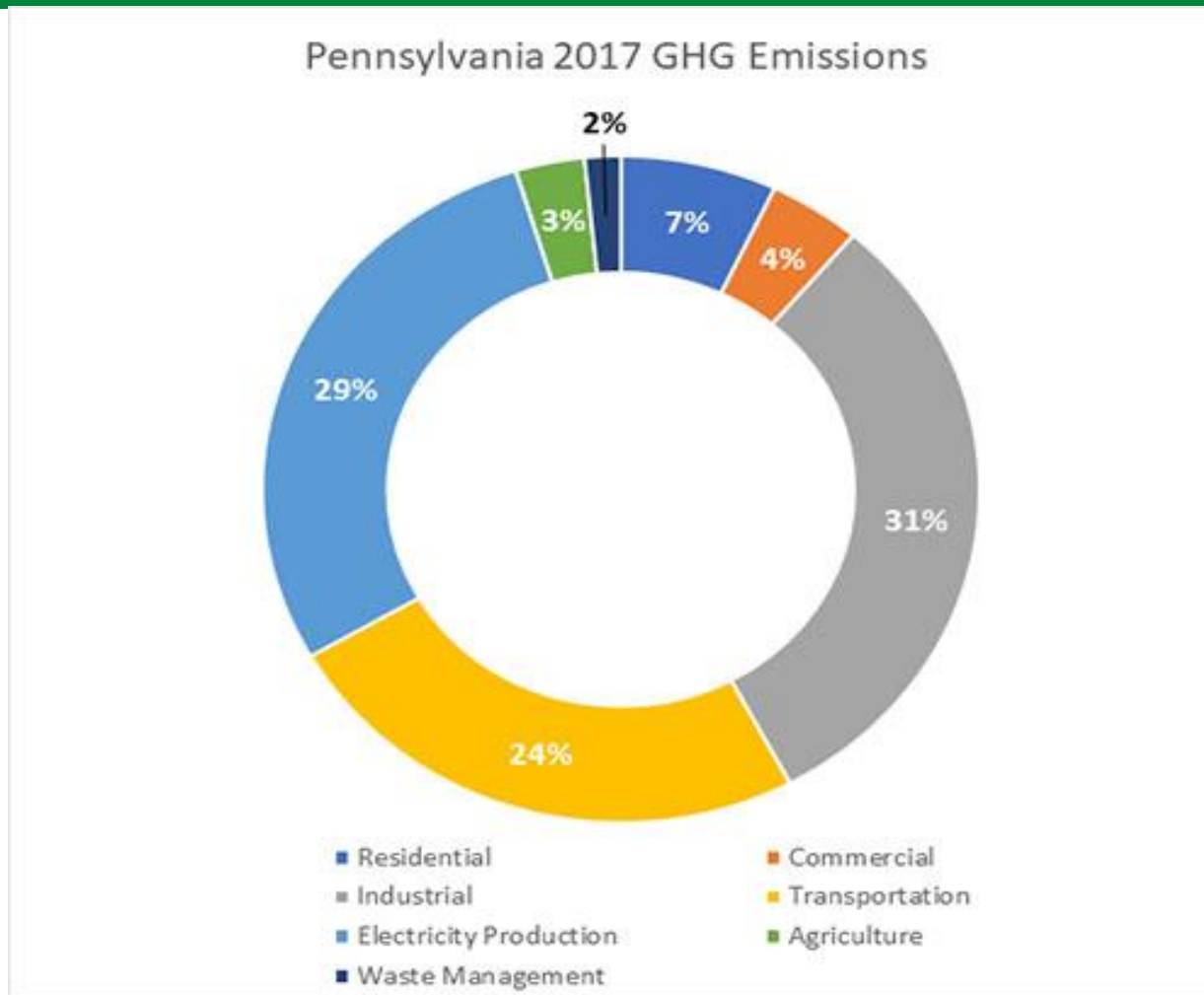
▶ Future Trends for Pennsylvania Solar

U.S. Capacity-Weighted Average LCOE for Plants Entering Service in 2023
(2018 \$/MWh)



Source: *Alternative Energy Portfolio Standards 2019 Annual Report*

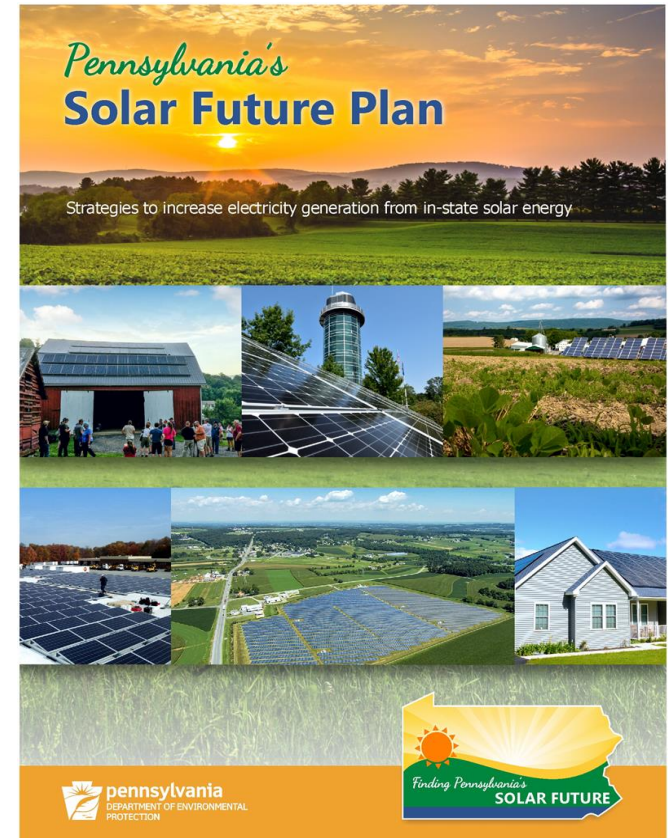
Greenhouse Gas Emissions by Sector

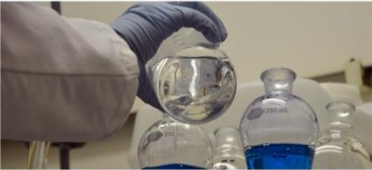


Source: DEP Greenhouse Gas Emissions Inventory, 2020

Plan for Pennsylvania's Solar Future

- Identifies strategies to increase in-state solar generation to 10 percent by 2030.
- Recommends 15 strategies, 52 actions.
- Explores potential benefits and investments associated with this level of solar energy growth.
- 500 stakeholders weighed in.
- Funded by U.S. Department of Energy Solar Energy Technologies Office.
- www.dep.pa.gov/PASolarFuture





pennsylvania

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<https://www.dep.pa.gov/Citizens/Energy/Renewables/Pages/Solar.aspx>