

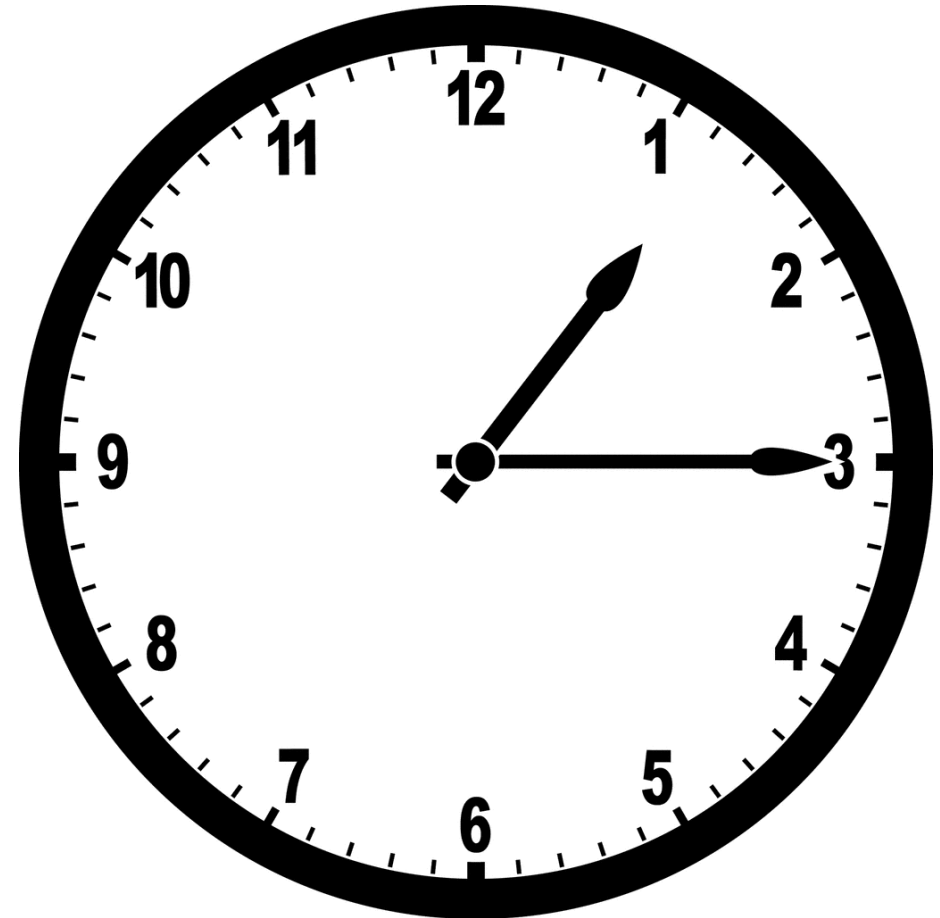


Reduce/Eliminate Emissions
St. James of Jerusalem Long Beach
October 7 Retreat

Coty Keller

Agenda

- Underlying Principles
- Scope of Work
- How to Pay for It
- Q&A, Discussion



Underling Principles

- Accessibility,
- Caring for creation
#1 priority:
reduce/eliminate
emissions

We know how:

1. Conserve energy
2. Electrify almost everything, and
3. Generate the electricity from zero emission sources of energy

Project Drawdown, Union of Concerned Scientists, *Solutions*. Bill Gates
How to Avoid a Climate Disaster. Rewiring America

Scope of work

- Accessibility Lift Elevator
- Insulate and Air Seal the Rectory and the Church
- Upgrade electrical distribution
 - Resiliency from flooding
 - Capacity for electric HVAC and ADA
 - Lines for induction clothes drier, stoves, heat pump drier, EV charging
- All electric HVAC and Hot Water
- Replace gas appliances
- Rooftop solar w/batteries



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How to Pay for It

- Knowns
 - Parish building fund
 - Rebates, Tax credit direct payments utility programs, other benefits Inflation Reduction Act of 2022
- Possibilities
 - Metro IAF
 - Utility program – National Grid HEAT
- Uncertainties
 - Grants
 - EMLI
 - Episcopal Church
 - Fundraising, capital programs

Resources for Non-Profits

- LIPA/PSEG (Con Ed?)
 - **POS Rebates** heat pump water heaters (\$1,000 or more)
 - **Installer rebates-** \$1,000-\$2,000/ton on air source and ground source (geothermal) heat pumps
- Metro IAF
 - Up to \$16,000 planning permitting
 - Direct subsidy @ \$75/mBTU savings/yr.
 - Decommissioning \$5,000-\$10,000
- **Community Solar-** share a solar farm and save money
- **House of Worship Designer Tax Incentives** (up to \$35,000 small church and rectory) for-profit contractors
- **Alternative Energy Tax Credits – direct pay** to non-profits
 - Solar PV with batteries
 - Ground source (geothermal) heat pumps
 - 30% +10% domestic content
- National Grid HEAT – insulation and weather stripping- stay tuned fingers crossed



Q&A, Discussion



QR Code for Non-Profit
Resources “hand out”

