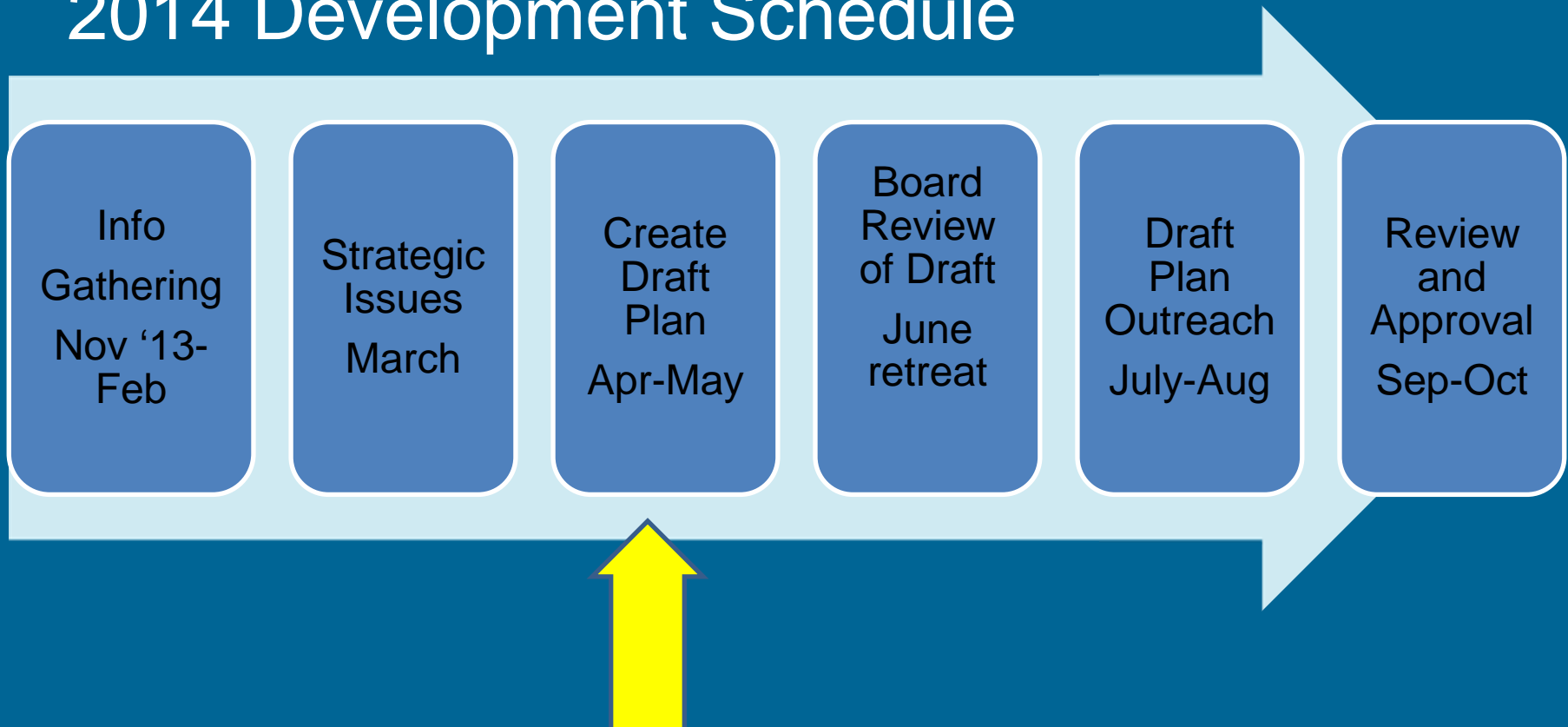


# 2015-2019 Strategic Plan Update April 23, 2014

# 2015-2019 Strategic Plan

## 2014 Development Schedule



# Issues Raised in Initial Information Gathering

- Affirm efficiency and renewable energy core goals
  - Add aspirational goals?
- Build on accomplishments
  - Work with communities and other resources
  - Climate related goals
  - Goals focused on peak load management
- Complementing state, regional and utility sustainability plans
- Consider 10 year vision vs. 5 year plan?



# CAC and RAC and Stakeholder Input

- Focus on energy efficiency and renewable energy generation goals
- Support other opportunities only if directly linked to efficiency and renewable acquisition



# Future Focus

- To achieve core goals, we will need to work in new ways
- Apply fundamentals of IRP least-cost planning to efficiency investments
- Support RE project and market development
- Leverage and collaborate with others to pursue mutual and complementary benefits
- Use strategic planning to develop prioritizations





# Early Look at Efficiency Issues

- Annual savings beyond “base” outlook
- Four strategies
  - Continuously improve program designs and services to meet customer needs
  - Broaden participation, reaching under served markets
  - New technologies and new approaches
  - Pushing down costs
- Optimizing the mix of strategies to meet short and long term savings goals



# Early Look at Renewable Issues

- Reconsider generation goal to reflect market
- Continue current focus on early project/market development
- Continue support of a range of technologies



# Operations Plan

- Internal map to achieve goals, strategies, direction
- Provides guidance related to:
  - Optimizing resources organization-wide among competing objectives
  - Engaging partners, positioning programs to support related state or utility priorities (e.g., carbon, peak management)
  - Staffing
  - Optimizing resources by sector





# Next Steps

## April - May

- Draft plan outline created, quantitative analyses completed
- Individual utility strategic issues discussions
- Board committee and full board meetings (May 13, 14)
- OPUC staff coordination check -in

## June

- Retreat agenda shaped around draft plan review (June 13-14)
- Report in to CAC/RAC (June 18)

## July/August

- Public comment period
- Discussion at CAC/RAC (July 23)
- Possible utility roundtable
- Board meeting (July 30)


## September/October

- Comments incorporated
- Strategic Plan approved and adopted by full board (anticipated October 1)

# Thank You



# Products and Phases

- Situation Analysis ✓
- Information gathering ✓
- Strategic Issue Identification ✓
- Draft Plan 
- Final Plan
  - Goals
  - Focus areas
  - Operational Plan
  - Ongoing reference



# Information Gathering

- Staff Working Sessions
  - Include RE Group Strategic Planning
- Management Team Retreat
- Papers: Benchmarking survey, CA Zero Net-Energy , Peak-load management
- Margie's meetings with “Influentials”







# 2014 competitive bid process for solar projects in PGE territory

April 21, 2014

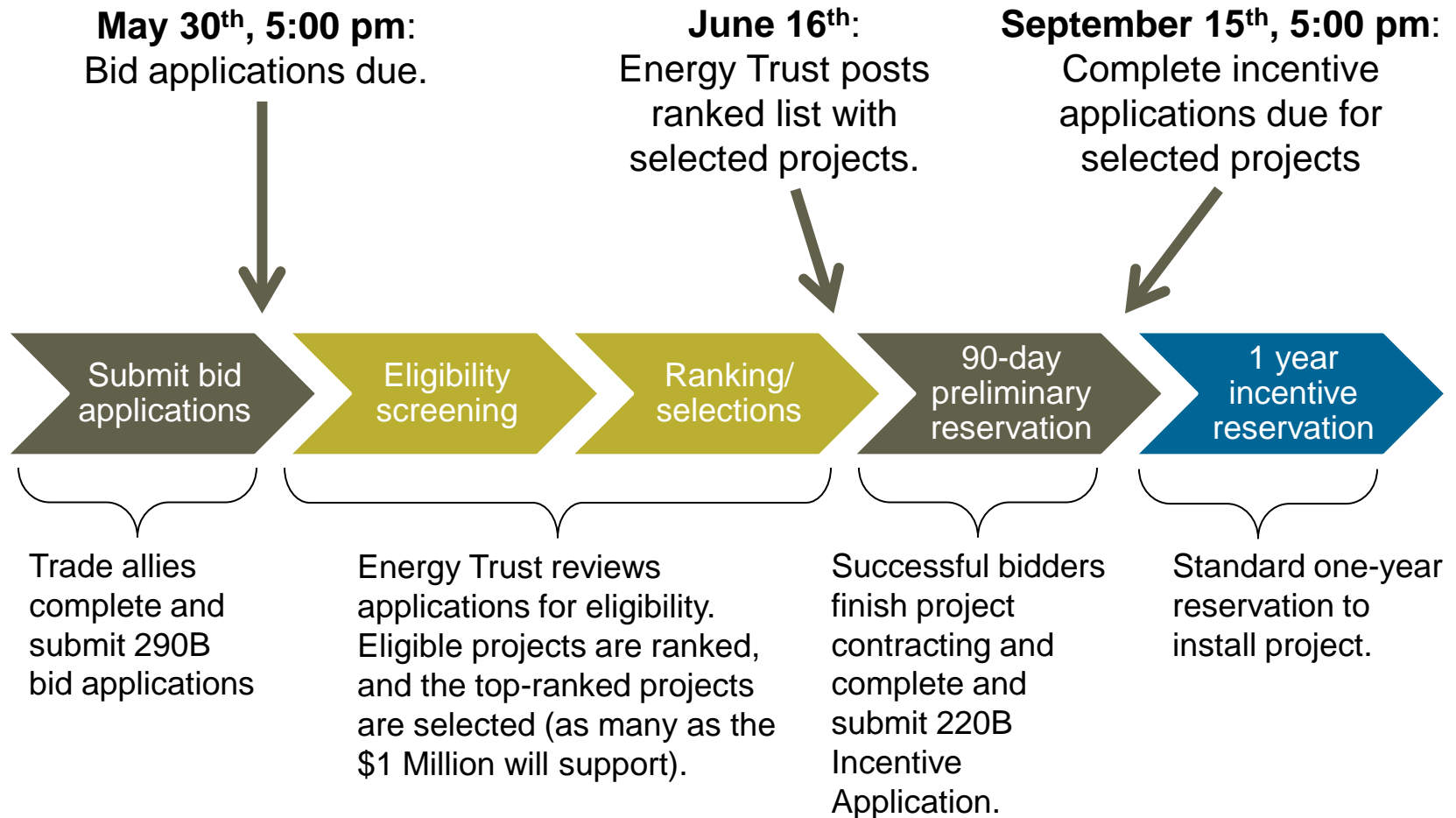


# Overview

- \$1 Million of incentive funding available for solar projects 250 kW to 2 MW aggregate capacity.
- Projects need be net-metered with PGE and meet all eligibility requirements.
- Allocated through a competitive bid process open to Solar Electric trade allies.
- Bids due May 30<sup>th</sup>, ranked list of bids with selected winning bids announced June 16<sup>th</sup>.



# 2014 Incentive Bid Process



# Thank you

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Project  
Development  
Assistance  
2013 Summary  
April 23, 2014

# New PUC benchmarks/metrics

Project Development  
Assistance (report)

Standard net-metered: 85%  
of budgeted generation goal

Non-solar custom (3-year  
rolling average \$/REC < \$29)

Innovative and custom solar  
(report)



# Why we do PDA (lessons learned)

- Build pipeline by reducing barriers
  - Difficult to find capital at early stages
  - Less sophisticated developers need some help
  - Challenging market conditions
- Expand market understanding
- Early money helps secure later financing



# Types of Activities funded

Feasibility  
studies

Design and  
interconnection

Permitting  
Assistance

Wind  
Monitoring

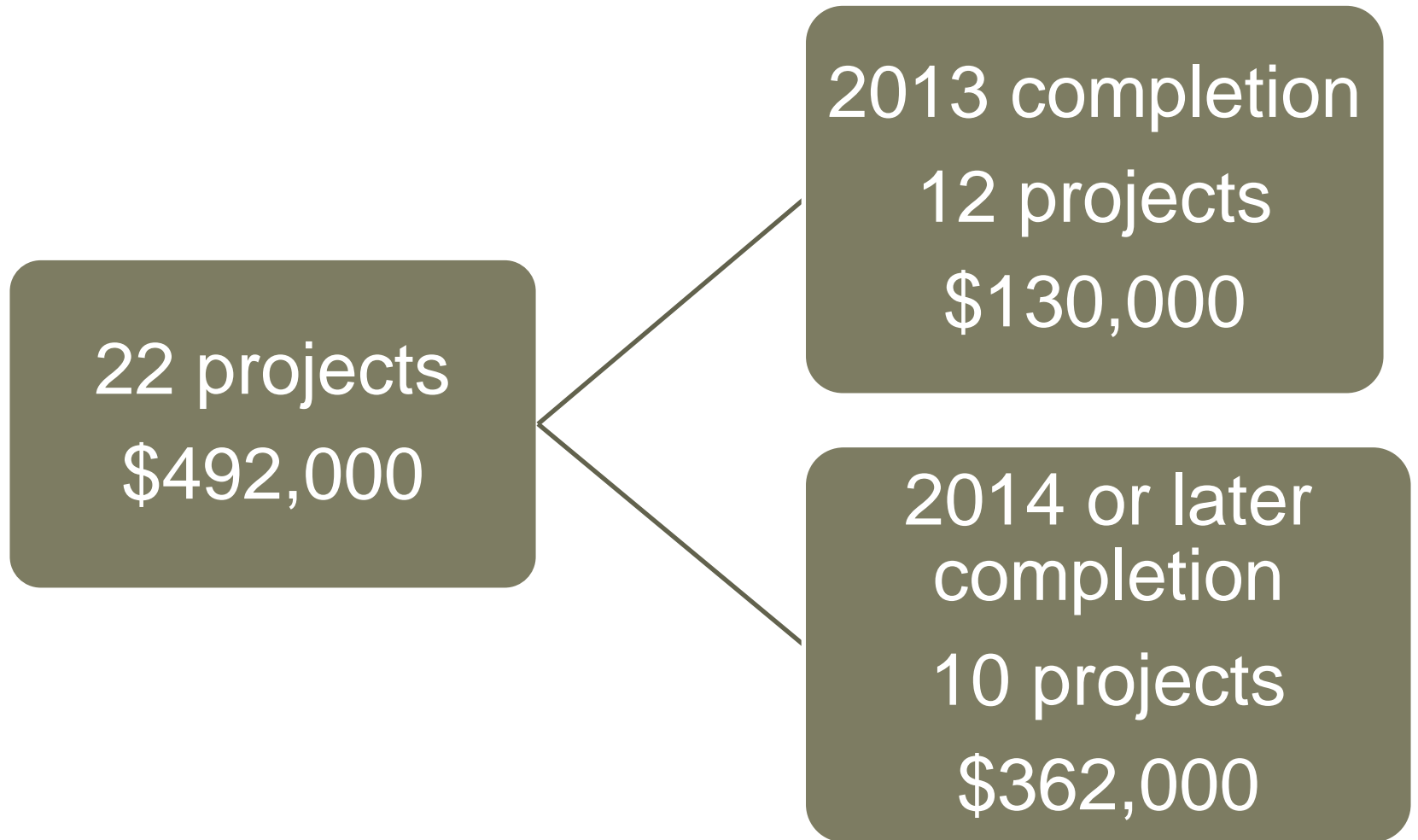
Resource  
Characterization

# 2013 Results

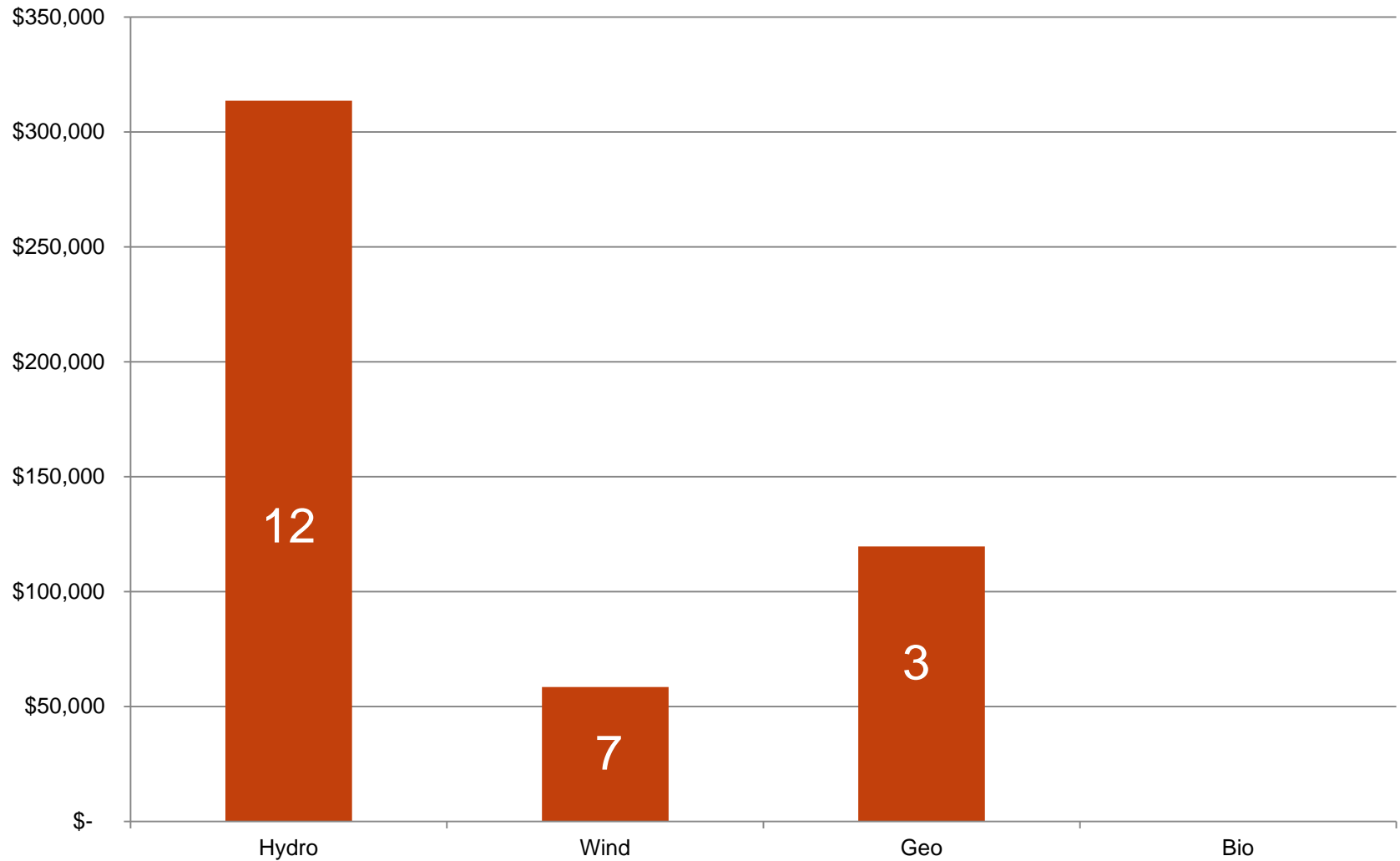


22 projects  
\$492,000

# 2013 Results



# Total 2013 PDA work (\$492,000)





# Completed hydropower activities

- Design and interconnection support an irrigation district project
  - Project later received incentive funding
- Design and permitting assistance for a low-head project at an irrigation district
  - Surveying, mapping, final design and cost estimation
  - Project is now under construction



# Completed hydropower activities

- Two feasibility studies at municipal water systems
  - Financially infeasible
  - Doing the next step of analysis
- Assistance to a third municipal project
  - Assisted with final FERC permitting which was successful



# Completed geothermal activities

- Resource characterization and feasibility work
  - High likelihood of a geothermal resource
  - Site owner looking for a developer to take the next steps





# Completed wind activities

- Interconnection studies for a community scale project
  - Interconnection is feasible
  - Several issues were identified that will need to be addressed
- Small wind project monitoring
  - Updated equipment for five small turbines
  - Working to make them fully operational



# Hydropower activities to be completed

- Design and permitting assistance for four low-head projects in two irrigation districts
  - Preliminary designs, cultural resources review, site surveys, and geotechnical work completed
  - Permit applications can be filed
  - More details design and engineering can proceed





# Hydropower activities to be completed

- Scoping level study for residential hydro
  - Study in process
  - Will look at technical potential and necessary permitting
- Permitting and financing package assistance for an upgrade at existing hydro facility
  - Activities will enable NEPA documents and permit applications to be filed



# Geothermal activities to be completed

- Initial resource characterization for two potential geothermal projects
  - Data gathering from existing wells; seismic testing
  - Cultural resource study, site survey, and other activities that will enable permit application

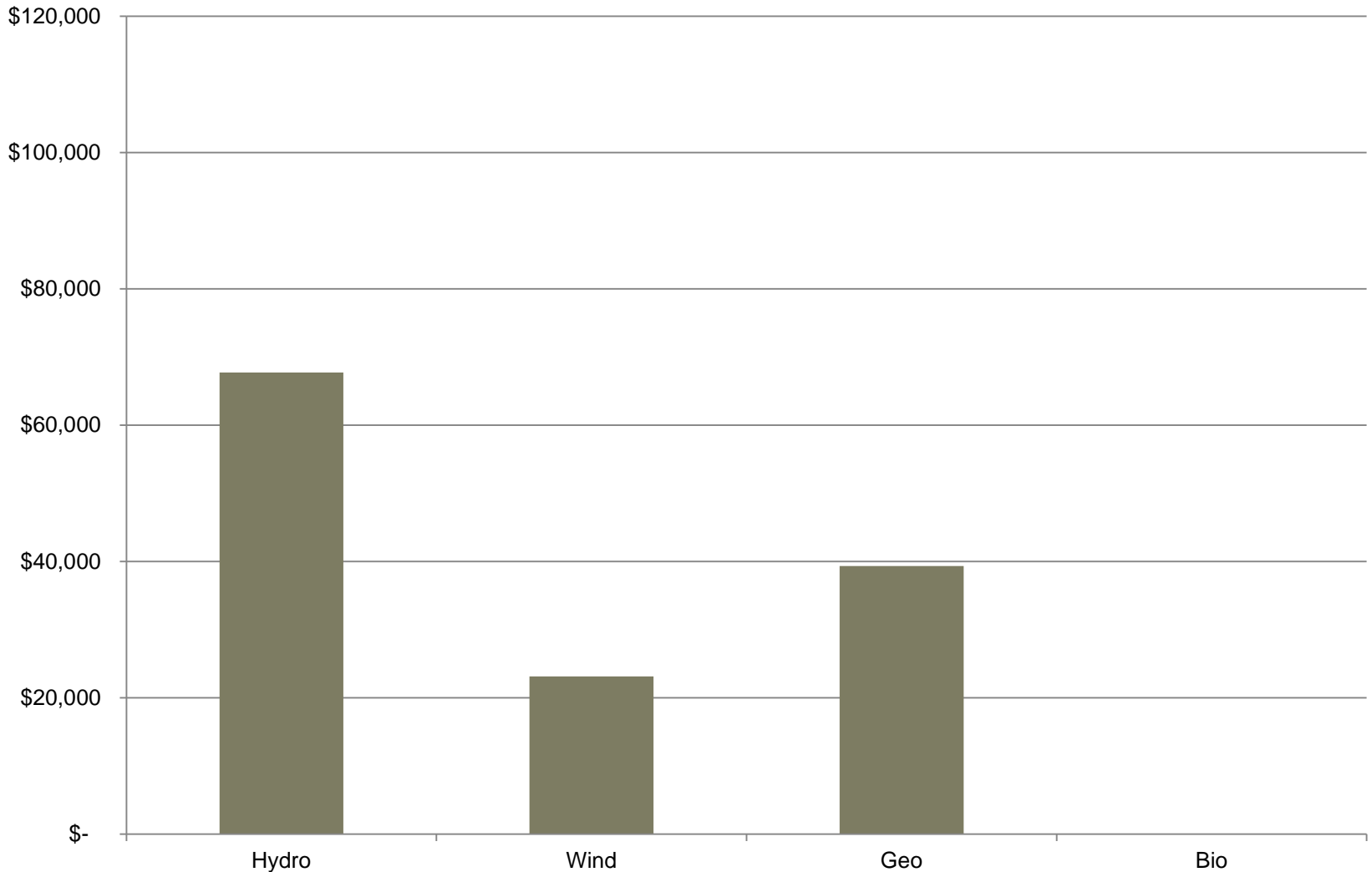


# Wind activities to be completed

- Studies related to interconnection for a community-scale project
  - Interconnection study and two studies necessary for permitting
  - Work will enable project developer to finalize PPA and interconnection agreement



# Projects completing activities in 2013 (\$130,000)



2012 (\$225,000) compared to 2013

