



**Clean Energy Partnership
Q2 Board Meeting
June 3, 2016**



Agenda

10:00 - Welcome

10:05 - Photograph

10:10 - Review and approval of agenda and minutes

10:15 – Annual Report Presentation and Discussion

11:05 – Engagement Pilot Projects

11:25 – 17'-18' EVAC Application Process & Timeline

11:35 – 17'-18' Work Plan Process

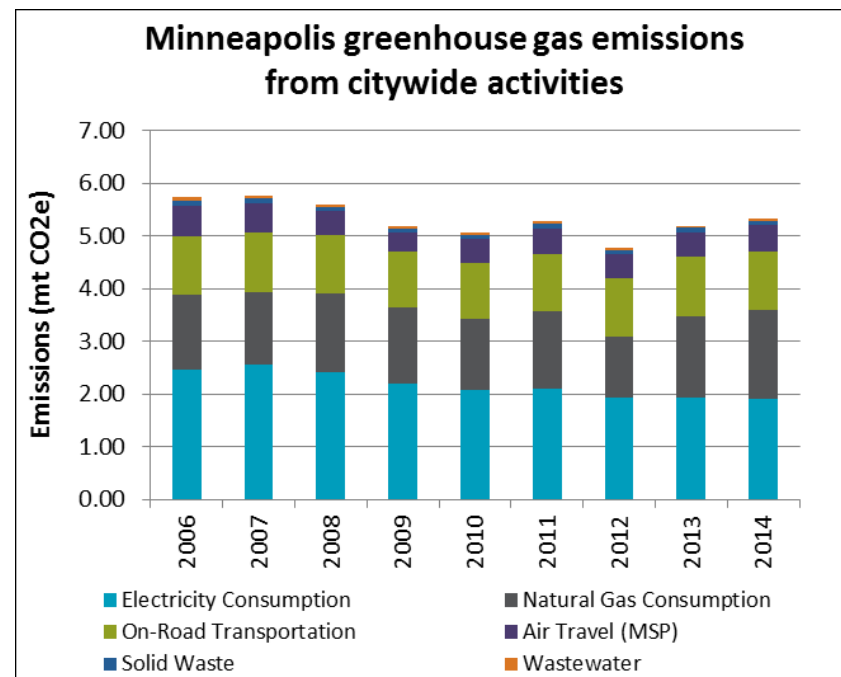
11:50 – Announcements

Minneapolis Clean Energy Partnership 2015 Annual Report



Executive Summary

- Annual Report of the City's greenhouse gas profile related to buildings and energy production, consumption, and savings opportunities.
- From 2006 levels:
 - 2014 city wide GHG emissions are ↓ 7.5%
 - Electricity emissions ↓ 22.5%
- Benchmarking ordinance & Xcel Energy online tool
- Almost \$2M spent on EE for Low Income customers (Fed & CIP)
- CNP Air-Sealing & Insulation pilot
- Multi-Family program
- Solar interconnections ↑ 40% from 2014

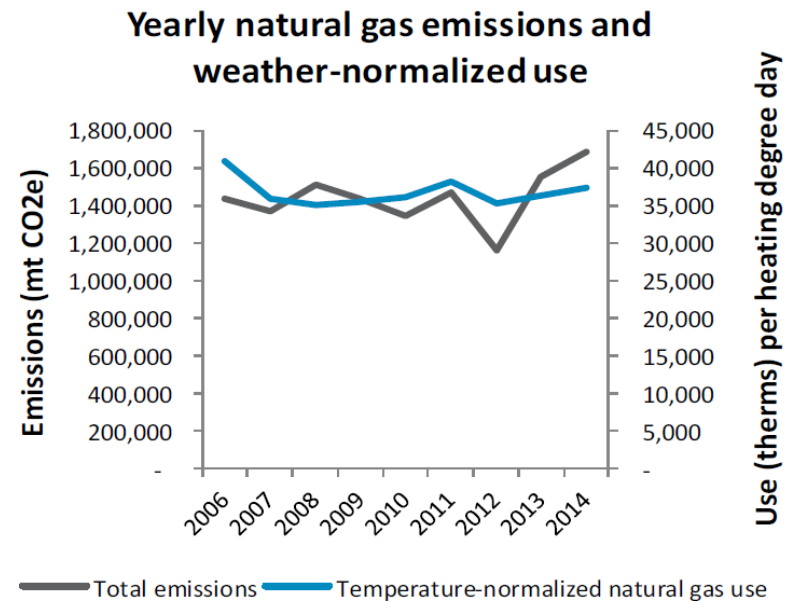
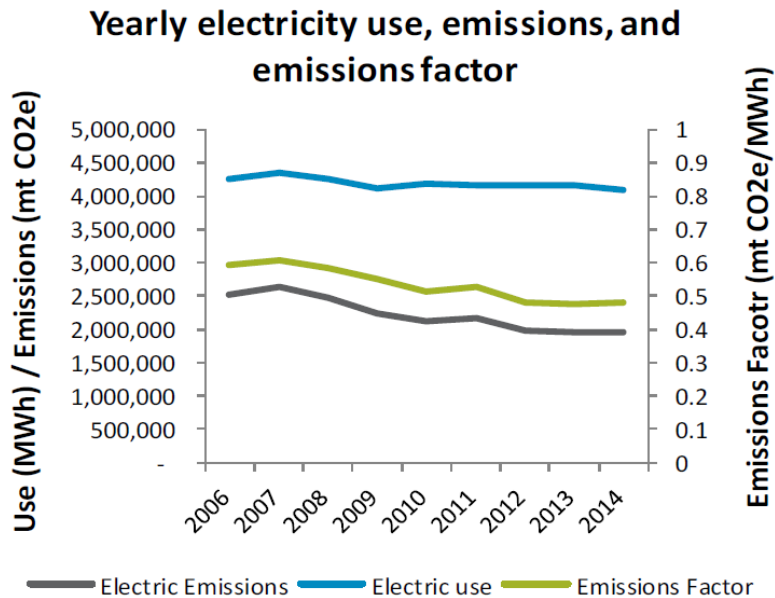


Clean Energy Partnership Metrics

	Metric	Unit(s)	Geography
1	Citywide GHG emissions	metric tons of CO ₂ e	citywide
1.1	GHG emissions from electricity use	metric tons of CO ₂ e	citywide
1.2	GHG emissions from natural gas use	metric tons of CO ₂ e	citywide
2	Commercial building energy use	kWh, therms	citywide
2.1	Commercial building benchmarking results	Average ENERGY STAR score, Average EUI, Total EUI	buildings covered by ordinance
2.2	Commercial utility EE program utilization	Participation, incentive dollars, estimated energy savings, estimated cost savings	citywide
3	Residential building energy use	kWh, therms	citywide
4	Local or directly purchase renewable energy	mWhs	census tract
4.1	WindSource customers	count of customers, mWhs	census tract
4.2	Community solar garden subscribers	count of customers, mWhs	census tract
4.3	Rooftop solar	Count of interconnections, MWs, mWhs	census tract
5	Home Energy Squad visits	count of HES visits (rental and owner-occupied), estimated energy savings, estimated cost savings	census tract
5.1	Percent of eligible properties served by HES	percentage of eligible properties	census tract
5.2	HES-driven loans	count of loans, loan value	census tract
6	Low-income visits	count of CIP low income and WAP visits, estimated energy savings, estimated cost savings	census tract
7	Air sealing/insulation (ASI)	participation, estimated energy savings, estimated cost savings	census tract
8	Multi-family program participation	count of visits, count of dwelling units served, estimated energy savings, estimated cost savings	census tract
8.1	Percent of eligible MF properties served by MFBE	percentage of eligible properties	census tract
8.2	Percent of properties participating in MFBE that engaged in activity beyond audit & direct install (conversion rate)	Percent of properties	census tract

Metric 1: Citywide Greenhouse Gas Emissions

	Metric	2014
1.0	Citywide emissions (metric tons CO ₂ e)	5,299,258
1.1	Emissions from electricity use (metric tons CO ₂ e)	1,904,136
1.2	Emissions from natural gas use (metric tons CO ₂ e)	1,691,579



Metric 2.0-2.1: Commercial Building Energy Use

	Metric	2014
2.0	Commercial/Industrial building electricity use (MWh)	3,088,342
	Commercial building natural gas use (therms)	158,655,415
2.1	Average ENERGY STAR score of benchmarked buildings	74
	Average EUI of benchmarked buildings (kBtu/ft ² /yr)	99
	Total site energy use of benchmarked buildings (kBtu)	8,176,575,652

Metric 2.2: Commercial Utility EE Program Utilization

	Metric	2014	2015
2.2	Commercial utility energy efficiency program participation	CNP: 1,096 rebates; 311 customers XE: 668 rebates; 653 customers	CNP: 1,219 rebates; 473 customers XE: 1,249 rebates; 757 customers
	Incentive dollars	CNP: \$809,865 XE: \$3,134,393	CNP: \$720,490 XE: \$4,235,490
	Estimated energy savings	CNP: 4,343,071 therms XE: 36,160,509 kWh	CNP: 2,668,485 therms XE: 43,204,422 kWh
	Estimated cost savings	CNP: \$2,844,873 XE: \$1,952,667	CNP: \$1,280,162 XE: \$4,622,873

Metric 3:

Residential Building Energy Use

	Metric	2014	2015 ¹
3.0	Total electric use by residential customers (kwh)	980,965,000	Not yet available
	Total natural gas use by residential customers (therms)	130,883,472	Not yet available

	Total Customers	Avg Annual Usage	Avg Monthly Usage
Gas	120,000	950 therms	79 therms
Electric	174,000	5,624 kWh	469 kWh* Average in MN service territory is 650 kWh, Mpls smaller due to high rental population and efficiency

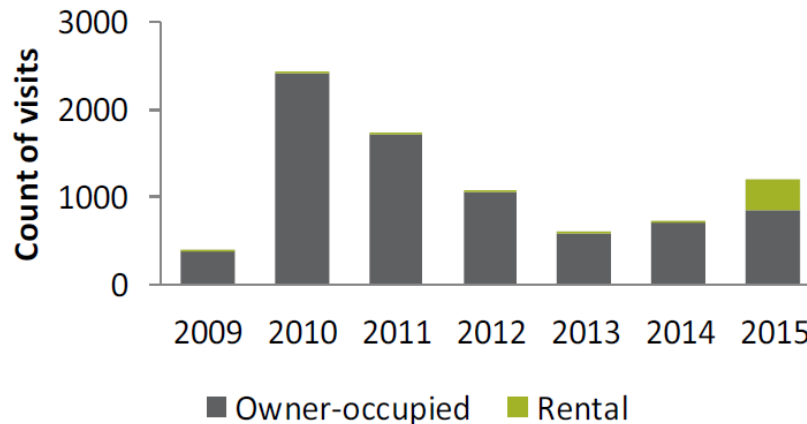
Metric 4: Locally or Directly Purchased Renewable Energy

	Metric	MWh	Customers
4.1	Windsorce customers and MWhs (cumulative 2012-2015)	115,435,930	13,286
	Metric	2014	2015
4.2	Community solar gardens customers, MWhs	0	0
4.3	Rooftop new solar interconnections, MW, MWhs	Inter: 56 MW: .75 MWhs: 930	Inter: 92 MW: .912 MWhs: 1050

Metric 5: Home Energy Squad Participation

	Metric	2014	2015
5.0	Home Energy Squad participation count (rental & owner-occupied)	731	1198
	Estimated energy savings (kBtu)	6605790	10825904
	Estimated cost savings	\$99,031	\$136,162
5.1	Percent of 1-4 unit residences served by HES	0.8%	1.0%
5.2	Energy efficiency loan count	11	47
	Total value of loans	\$72,520	\$279,883

Count of HES visit by year and type*



*Incl. similar program, Community Energy Services, 2009-2013

Metric 6:

Low-Income Program Participation

	Metric	2015
6	Number of low-income visits	CNP: 583 participants XE: 661 participants
	CIP low-income dollars spent	CNP: \$921,832 XE: \$324,360
	Number of Weatherization Assistance Program (WAP) visits	168 participants
	WAP dollars spent	\$916,805
	Estimated annual energy savings (CIP only)	CNP: 231,859 therms; XE: 359,233 kWh
	Estimated annual cost savings (CIP only)	CNP: \$122,208; XE: \$32,331

Metric 7: Air-Sealing and Insulation Program Participation

	Metric	2015
7.0	Count of participating customers	335
7.1	Estimated energy savings (therms)	74,741
7.2	Total estimated cost savings	\$42,069

Metric 8: Multi-Family Program Participation in CIP

	Metric	2015
8.0	Multifamily program participation* (count of visits)	CNP: 136 MF buildings XE: 623 customers
	Estimated energy savings	CNP: 709,335 therms XE: 3,282,658 kWh
	Estimated cost savings	CNP: \$364,661 XE: \$294,576
	Rebate dollars spent	CNP: \$245,840 XE: \$468,587

Next Steps

- Identify areas to target for specific engagement initiatives.
- Specifically, if approved by the Board, use the Community Engagement process recommended by EVAC to begin this process.
- Shared the report with EVAC, will begin Drafting 2017-2018 Work Plan using the findings of the Annual Report
- Seek additional resources and strengthen relationships with other potential funders.
- We have the report, what additional direction would the Board like to give us?

Review - Community Engagement Pilot Project

- In Q1 2016, Board approved EVAC's Engagement Planning Process
- Approved Engagement Process template:
 - 5 key steps:
 1. Prepare
 2. Learn
 3. Design Plan
 4. Implement Plan
 5. Evaluate
 - Can be replicated in any community
- \$30,000 approved for 1-3 pilot communities ('16-'17)

Review -

Priorities for Selecting Communities

Priorities adopted by EVAC & Board:

- Communities with **significant need**
- Communities from which the partnership can **learn the most**
- Communities that are **not being reached** by existing engagement methods

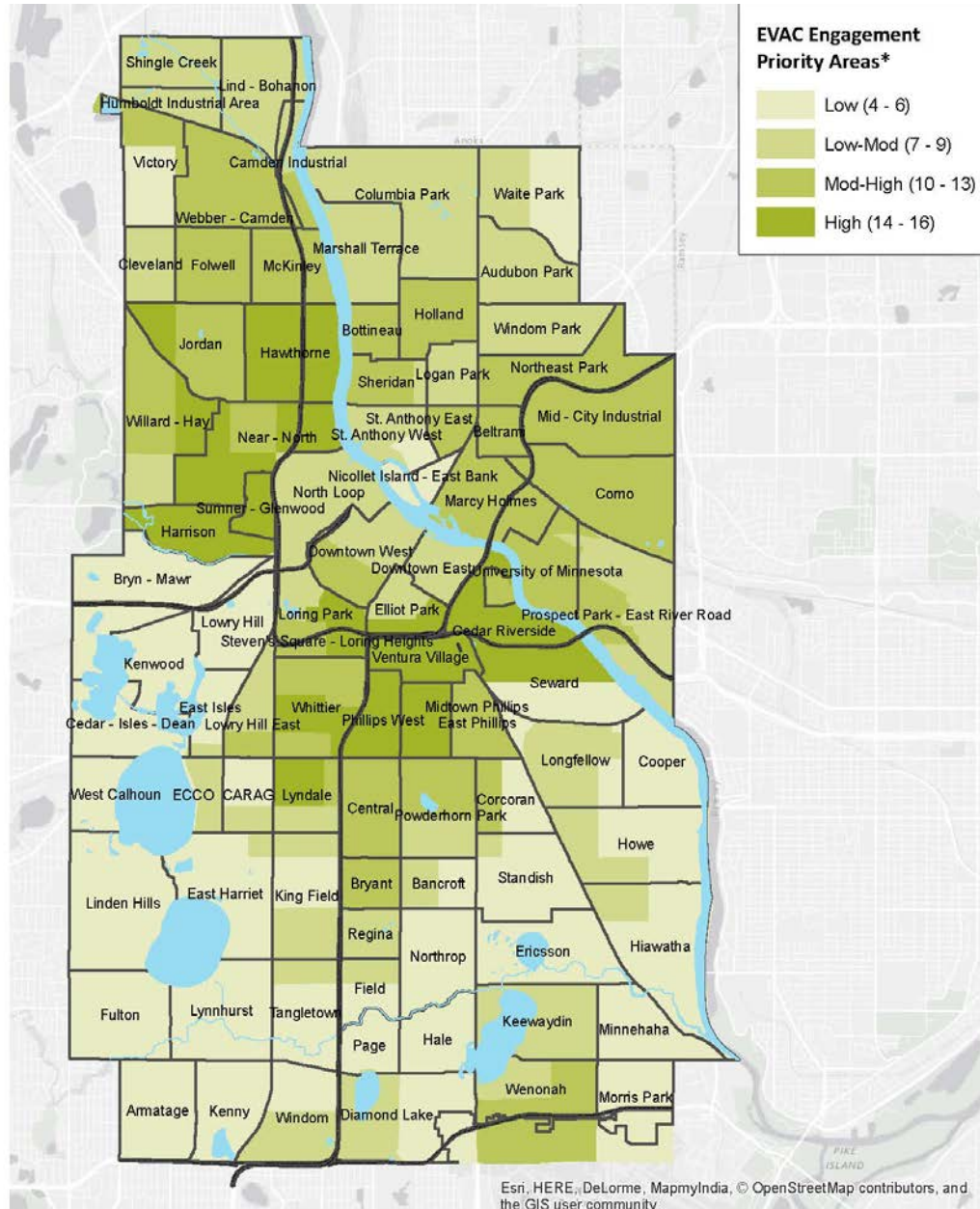
EVAC Community Engagement Task for Q2

- Identify priorities to use in selecting pilot communities
- Select priority communities
- Create guidelines for drafting an RFP to select organizations to implement pilot projects

Recommended Priorities for Selecting Communities

- Priorities that should be considered in proposal selection:
 - Geography (North, Northeast, South Minneapolis)
 - Race, Ethnicity, and Language
 - Income (< 80% of Area Median Income)
 - Housing Type (renters, low-income homeowners of color)

EVAC Engagement Priority Areas



Proposal Criteria - Scope

- Focus on a particular, explicitly-identified community.
- Be limited enough in scope to be achieved.
- Be expansive enough in scope to have meaningful results.

Proposal Criteria - Qualifications

- Applicant's ability to engage the targeted community.
- Applicant's experience and skills to analyze results and produce recommendations.
- Applicant's experience in successfully completing similar projects.

Proposal Criteria - Impact

- Cost-to-impact ratio (dollars spent per resident engaged).
- Process for collecting data during the engagement.
- Plan to leverage existing programs, agencies, and resources in the work plan.

Pilot Project Next Steps

June/July

- Planning Team develops RFP and MOU

August/
September

- MOU signed by Partners
- RFP approved and released

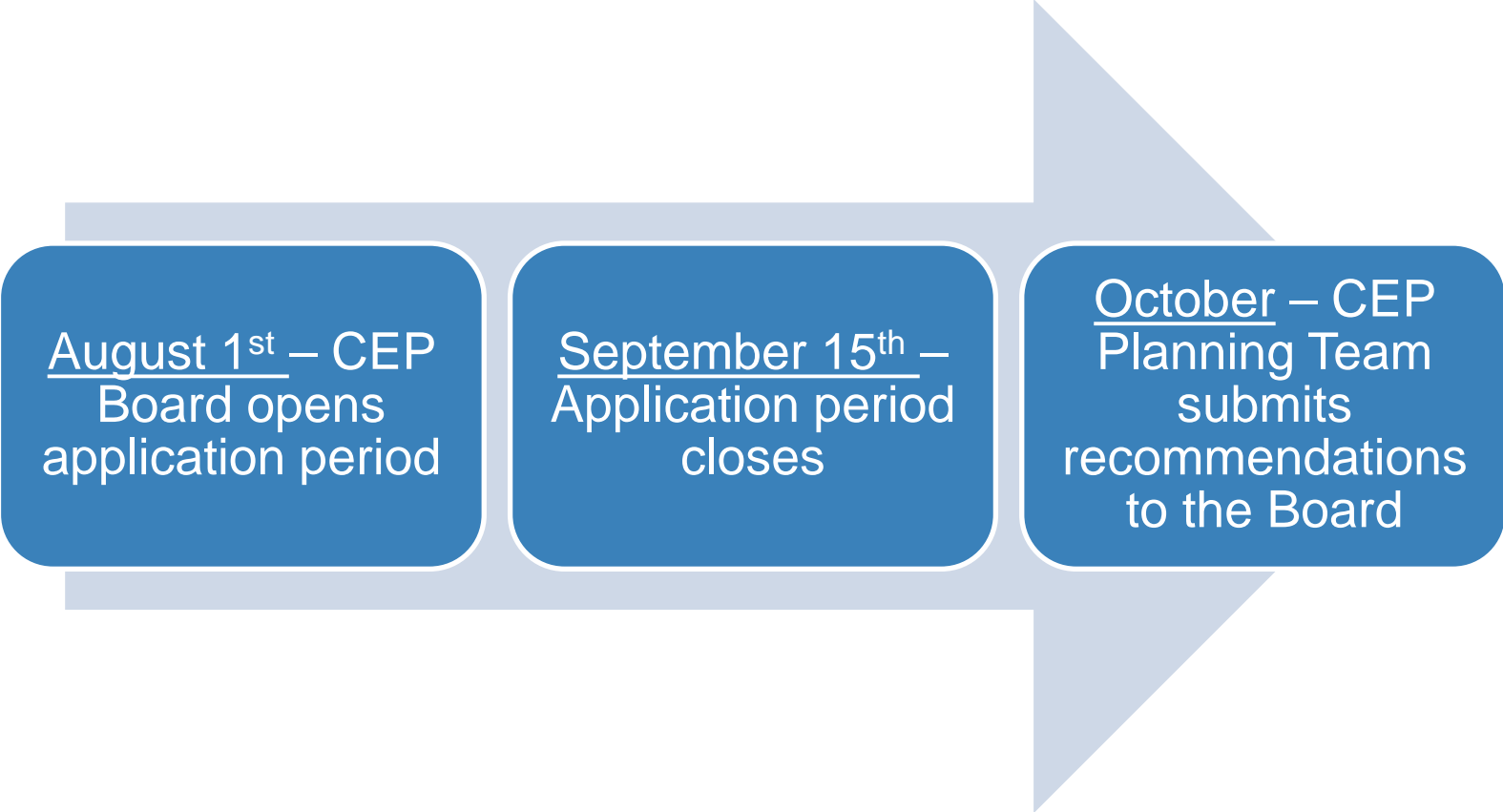
November

- Responses to RFP due
- Planning Team vets responses

December/
January

- CEP Board approves projects
- Contracts are signed and work begins

2017-2018 EVAC Application Process and Timeline

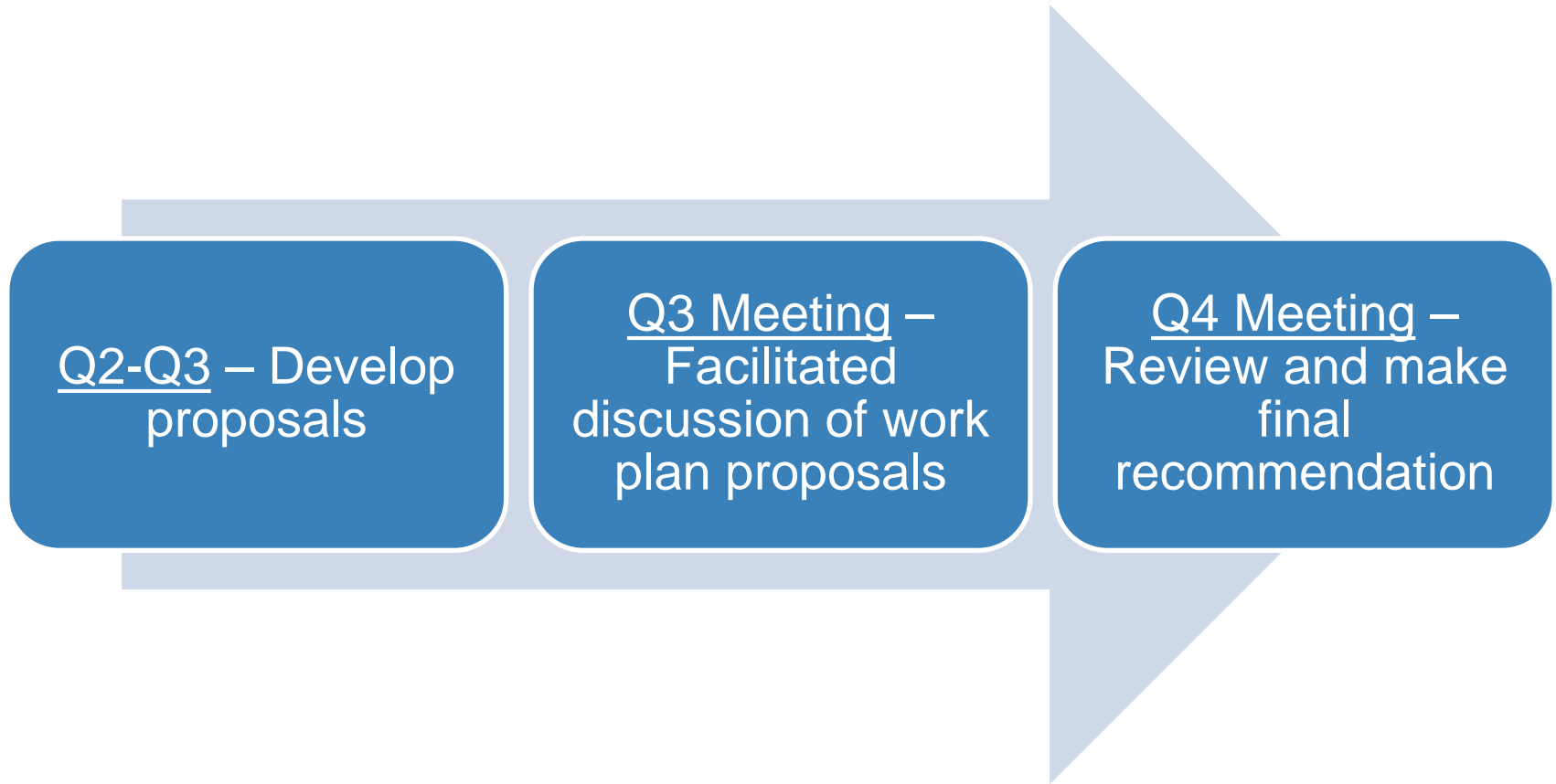


August 1st – CEP
Board opens
application period

September 15th –
Application period
closes

October – CEP
Planning Team
submits
recommendations
to the Board

2017-2018 Work Plan Process



Q2-Q3 – Develop proposals

Q3 Meeting –
Facilitated
discussion of work
plan proposals

Q4 Meeting –
Review and make
final
recommendation

Announcements