ABAG Publicly Owned Energy Resources (ABAG POWER)

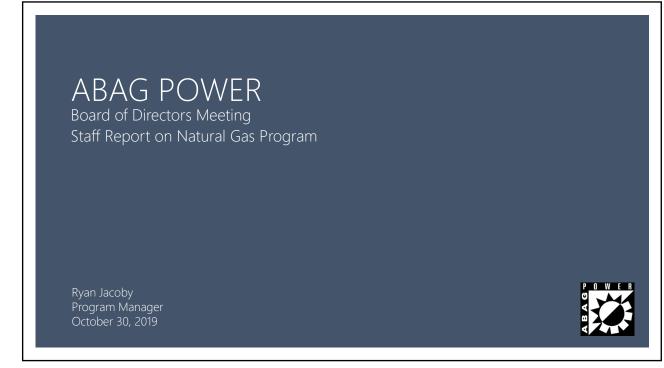
Board of Directors

October 30, 2019	Agenda Item 5.a.			
	Natural Gas Aggregation Program			
Subject:	Staff Report on 2018-19 Natural Gas Program			
Background:	Since 2002, the gas program has operated with the dual and often competing goals of cost savings and price stability. This year, ABAG POWER's total rate was 10.5% higher than Pacific Gas and Electric Company's (PG&E) similar rate for small commercial accounts (GNR-1). Due to the levelized billing structure, the program's monthly rates were more stable than PG&E's rates for the year.			
	During the year, ABAG POWER purchased the entirety of its gas on daily and monthly markets in California, Canada, and Oregon. This blend of short-term gas purchases resulted in a weighted average cost of gas for the year of \$3.18/Dth, an increase of 12% from the prior year. This increase was partially offset due to aggressive withdrawals from gas storage and purchases made in Canada for lower prices than were available domestically.			
	Natural gas prices were very volatile throughout winter and spring of 2018-19, particularly during November, December, and March:			
	 Daily prices per dekatherm (Dth) doubled from November (\$3/Dth) to December (\$6/Dth) before peaking at \$17.8/Dth in March, prices not seen in five years, and since the energy crisis before that. Prices began to decline later in March, continuing through June to the year's low (\$1.64/Dth). The five-year daily average market price at PG&E's Citygate is \$3.19/Dth. PG&E's average rate was \$3.21/Dth during this period. 			
	Staff and the Executive Committee have a firm understanding that an inability to achieve cost savings presents a significant issue for the long-term prospect of the program. The Committee has continued to evaluate and modify the gas purchasing strategy to provide cost savings. Within the past year, efforts have included shifting from fixed-price purchases into the short-term market, entering international purchasing markets, and investigating pipeline capacity brokering.			

ABAG Publicly Owned Energy Resources (ABAG POWER)

Board of Directors

October 30, 2019	Agenda Item 5.a.
	Natural Gas Aggregation Program
	Long Term Program Metrics
	The program's average annual savings for the period July 1997 to June 2019 was -0.2%, excluding proceeds (\$557,000) from gas litigation settlement in 2009.
Discussion Items:	The goals of ABAG POWER's Natural Gas Program are to provide natural gas at a rate competitive with, or less than, the default provider (i.e. PG&E), while at the same time providing a rate that is stable and predictable.
	In recent years, membership surveys have indicated that cost savings is 'very' important to member agencies. However, the survey also revealed that there is not a clear preference towards the goal of price stability over cost savings. Surveys have also indicated significant interest in sustainability initiatives, such as Renewable Natural Gas. The Executive Committee and staff have continued to evaluate the Program's purchasing strategy and program offerings to best maximize the goals of the program and its members.
Recommended Action:	The ABAG POWER Board of Directors is requested to review and comment on the discussion items.
Issues:	None.
Attachments:	Staff Report on 2018-19 Natural Gas Program (Presentation)
Reviewed:	Brad Paul



History & Services

Started in **1996** by the Association of Bay Area Governments (ABAG) and local governments to provide **aggregated electricity and natural gas procurement for municipal facilities**



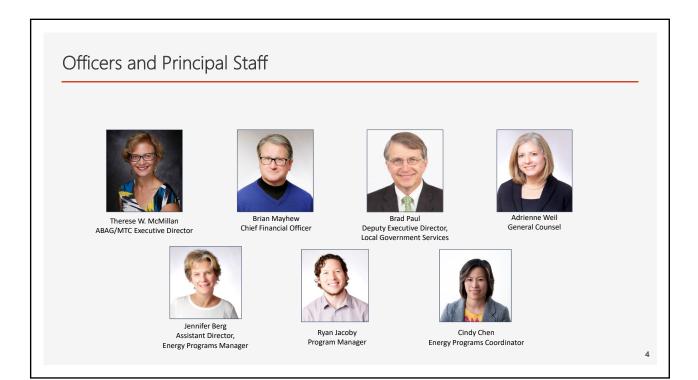
In-house billing and customer service, gas purchasing, and transportation

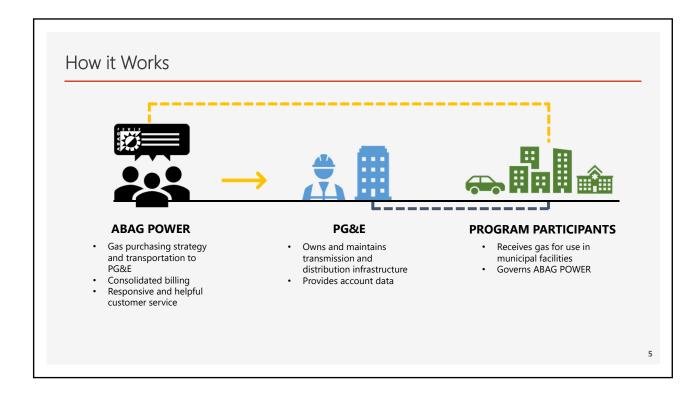


Program competes against Pacific Gas and Electric Company (PG&E) to provide **lower** and more stable rates for municipal facilities











Program Benefits

Public Ownership

- Trustworthy and transparent
- Adaptable to changing energy

landscape

In-house Customer Service

- Account management & consolidated billing
- Rate analysis

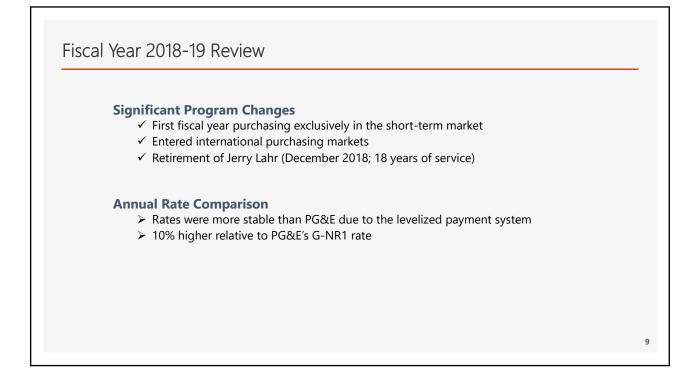
- Regional Program Structure

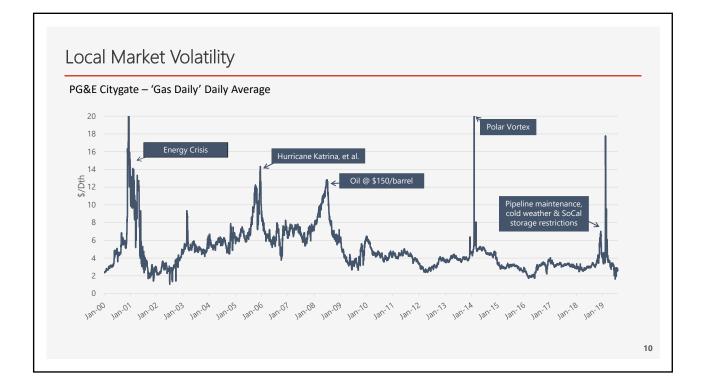
 38 participating public entities
 - Funding opportunities and
 - regulatory involvement

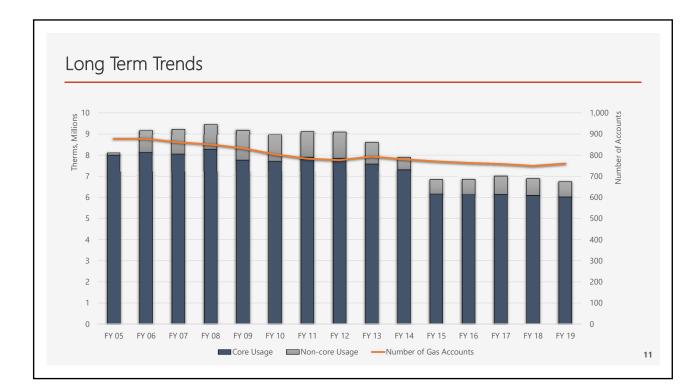


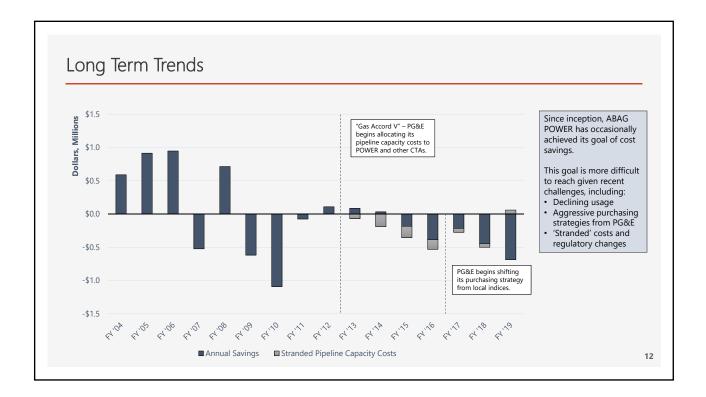
Fiscal Year 2018-19 Review

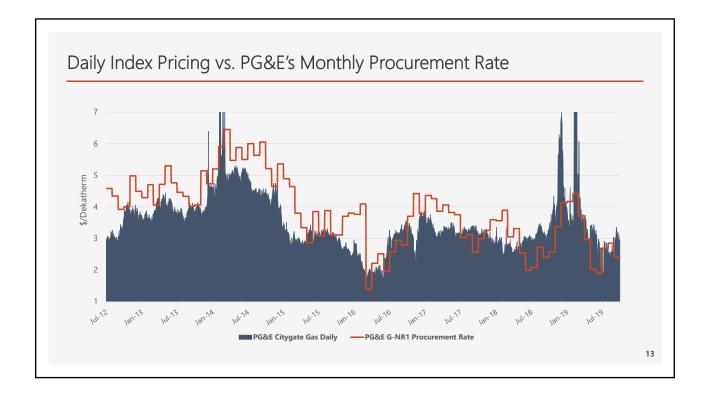
Metric	FY 18-19	FY 2017-18 Comparison	Natural Gas Vehicle
mber Agencies	38	No Change	Residential 11%
Core Accounts	768	+1%	Large Com
loncore Accounts	3	No Change	Commercial 2%
otal Usage (therms)	6.74 million	-2%	
Core Usage	6.02 million		
Noncore Usage	0.72 million		

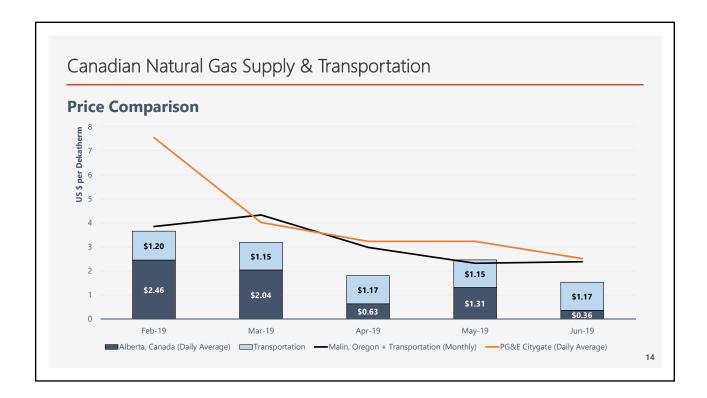












Canadian Natural Gas Supply & Transportation

Business Requirements

Import & Export Authorization Alberta's Energy Regulator Canada's National Energy Board U.S. Department of Energy U.S. Customs and Border Protection

<u>Licenses</u> Canadian Business Number Goods and Services Tax Account

Insurance Continuous Import Bond & Brokerage

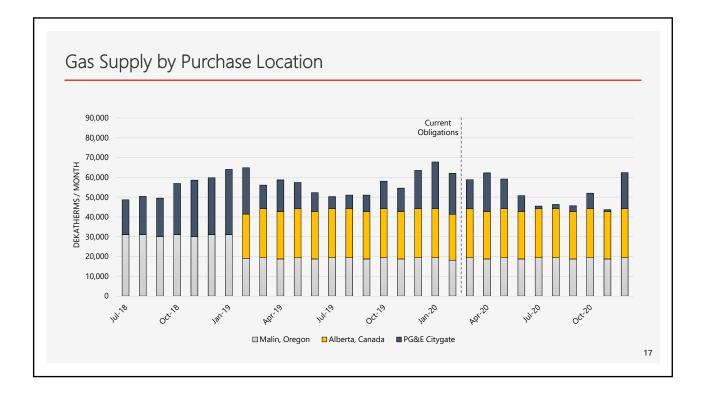
Transportation & Supply

<u>Pipeline Use & Capacity Acceptance Agreements</u> NOVA Gas Transmission Ltd. (Alberta) TransCanada Foothills (British Columbia) Gas Transmission Northwest (U.S.)

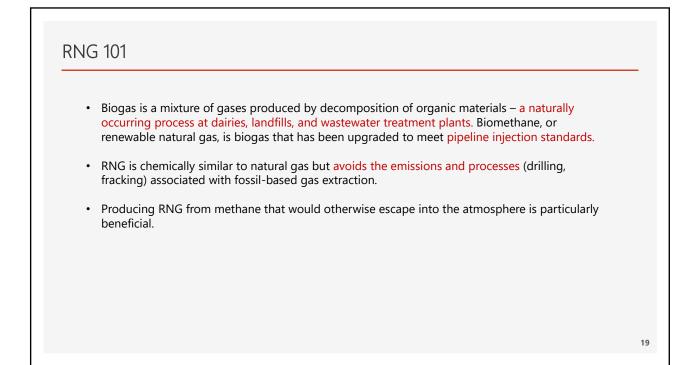
Daily Gas Nominations Contract Amendment for Natural Gas Scheduling

Market Index Publication Canadian Enerdata









RNG - Barriers to Adoption

- Supply is driven by transportation fuel as petroleum/diesel substitutes
 - Expensive to purchase grid-connected supply
 - Federal and state transportation fuel incentives: RFS & LCFS
 - Limited supply
- Pipeline quality upgrading and interconnection is expensive
 - Often more economical to use RNG for electricity generation (onsite consumption or PPA)

Policy

- Decarbonization push
- RNG uses existing, expensive, and imperfect pipeline and storage infrastructure

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RNG - Next Steps

- Continue to monitor supply
- Monitor regulatory proceedings involving interconnection and certification processes
- Examine opportunities for aggregated purchases with similar entities



Natural Gas Program Issues and Considerations

