



**CHUGACH ELECTRIC ASSOCIATION, INC.  
ANCHORAGE, ALASKA**

**REGULAR BOARD OF DIRECTORS' MEETING**

**AGENDA**

Bettina Chastain, Chair  
Mark Wiggin, Vice Chair  
Sam Cason, Secretary

Rachel Morse, Director  
Sisi Cooper, Director  
Susanne Fleek-Green, Director  
Jim Nordlund, Director

---

**May 24, 2023**

**4:00 p.m.**

**Chugach Board Room**

---

- I. CALL TO ORDER (4:00 p.m.)
  - A. *Pledge of Allegiance*
  - B. *Roll Call*
  - C. *Safety Minute – “Lawn Mower Safety” (Freeman)*
  - D. *Electric Power Factoid: Supervisory Control & Data Acquisition (SCADA) (Popovici)*
- II. APPROVAL OF THE AGENDA\* (4:05 p.m.)
- III. PERSONS TO BE HEARD (4:10 p.m.)
  - A. *Member Comments*
- IV. DIRECTOR REPORTS (4:20 p.m.)
  - A. *Alaska Power Association (APA) Report*
  - B. *Board Committee Reports (Audit & Finance, Operations & Governance)*
  - C. *Other Meeting Reports*
- V. CONSENT AGENDA\* (4:40 p.m.)
  - A. *Board Calendar*
  - B. *Training and Conferences*
    - 1. *2023 APA Annual Meeting (August 22-25, 2023) – Valdez, AK*
  - C. *Minutes*
    - 1. *April 26, 2023, Regular Board of Directors’ Meeting (Cacy)*
    - 2. *May 11, 2023, Special Board of Directors’ Meeting (Doyle)*
    - 3. *May 19, 2023, Regular Board of Directors’ Meeting (Cacy)*
  - D. *Director Expenses*

- VI. CEO REPORTS AND CORRESPONDENCE (4:45 p.m.)
  - A. Eklutna Update (Brodie) (4:45 p.m.)
  - B. 2023 General Rate Case Update (Kornmuller/Clarkson) (5:00 p.m.)
  - C. 2022 Sustainability Report (Ayers) (5:10 p.m.)
  - D. Gas Supply Update (Gerlek/Thompson) (5:25 p.m.)
  - E. Board Policy Scheduled Tasks/Reports (Board/Staff) (5:55 p.m.)
- VII. UNFINISHED BUSINESS (none)
- VIII. NEW BUSINESS\* (scheduled) (6:00 p.m.)
  - A. Board of Directors – Election of Officers\* (Board/Clarkson) (6:00 p.m.)
  - B. Appointment of APA Member and Alternate Representatives\* (Board) (6:15 p.m.)
  - C. Adopt 2023 – 2024 Calendar of Regular Meetings of the Board of Directors\* (Doyle) (6:20 p.m.)
  - D. Plant 1 Breaker Replacement\* (M. Miller) (6:30 p.m.)
  - E. NRECA National Resolutions Committee: Early Retirement of Generation Assets (Board) (6:45 p.m.)
- IX. EXECUTIVE SESSION\* (scheduled) (7:00 p.m.)
  - A. 1991 Fish and Wildlife Agreement (Glass/Miller)
  - B. BRU Agreement - Imbalanced Elections (Armfield/Clarkson)
  - C. Seward Electric System (Miller)
- X. NEW BUSINESS\* (scheduled) (7:40 p.m.)
  - A. BRU Agreement - Imbalanced Elections\*\* (Armfield/Clarkson) (7:40 p.m.)
- XI. DIRECTOR COMMENTS (7:45 p.m.)
- XII. ADJOURNMENT\* (8:00 p.m.)

\* Denotes Action Items

\*\* Denotes Possible Action Items

# LAWN MOWER SAFETY



# LAWN MOWER SAFETY

**Ensure safe operation** Most experts recommend children younger than 12 should not use lawn mowers unsupervised. Never carry passengers on a riding lawn mower.

**Prepare the space** Walk your lawn before mowing to check for and remove anything that could be struck by the lawn mower.

**Dress the part** Wear proper footwear and hearing protection to protect against prolonged exposure to engine noise.

**Handle with care** Keep hands and feet away from the spinning blades. Exercise care when mowing on an angle or up hill.

**Beware of burns** Many people don't realize how hot the engine and exhaust can be. Burns are possible if unprotected skin comes in contact with these surfaces.



# YTD SAFETY INFORMATION

Recordable Injuries			
Business Unit	2022	2022 Apr YTD	2023 Apr YTD
Line Operations	6	1	1
Power Generation	5	2	0
Office and Administrative	0	0	0
Total	11	3	1

Lost time Injuries			
Business Unit	2022	2022 Apr YTD	2023 Apr YTD
Line Operations	3	0	1
Power Generation	1	0	0
Office and Administrative	0	0	0
Total	4	0	1

Rates and Lost Work Days			
	2022	2022 Apr YTD	2023 Apr YTD
OSHA Rate	2.71	2.31	.78
Lost Time Rate	.98	0	.78
Lost Workdays	179	0	54

**Recordable Injury:** Injury resulting in medical treatment, lost time, or restricted duty.

**OSHA Rate:** Number of recordable injuries x 200,000/employee hours worked.

**Lost Time Rate:** Number of lost time injuries X 200,000/employee hours worked.

**Lost workday:** A day a worker is absent from the workplace due to a work-related injury.

# Energy Factoid: SCADA/EMS

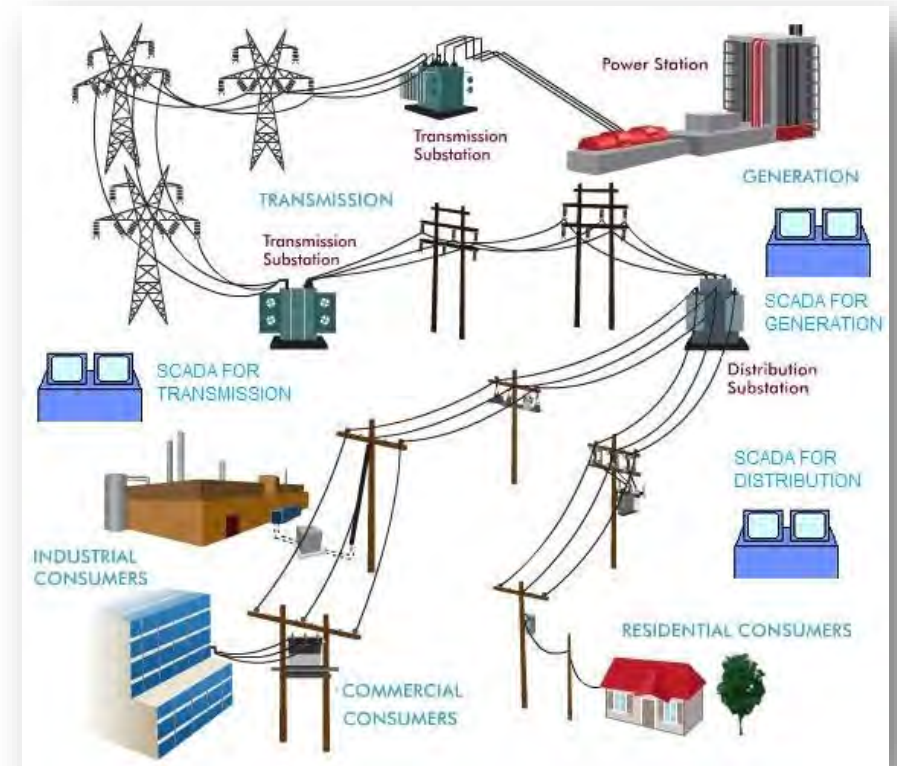
Regular Board of Directors' Meeting  
May 24, 2023



# SCADA

## Supervisory Control And Data Acquisition

SCADA is a networked system of sensors, computers and communication systems used to collect, analyze data and control processes on a real time basis. SCADA systems are common in many different industries providing operators information on processes to allow for safe and efficient control.



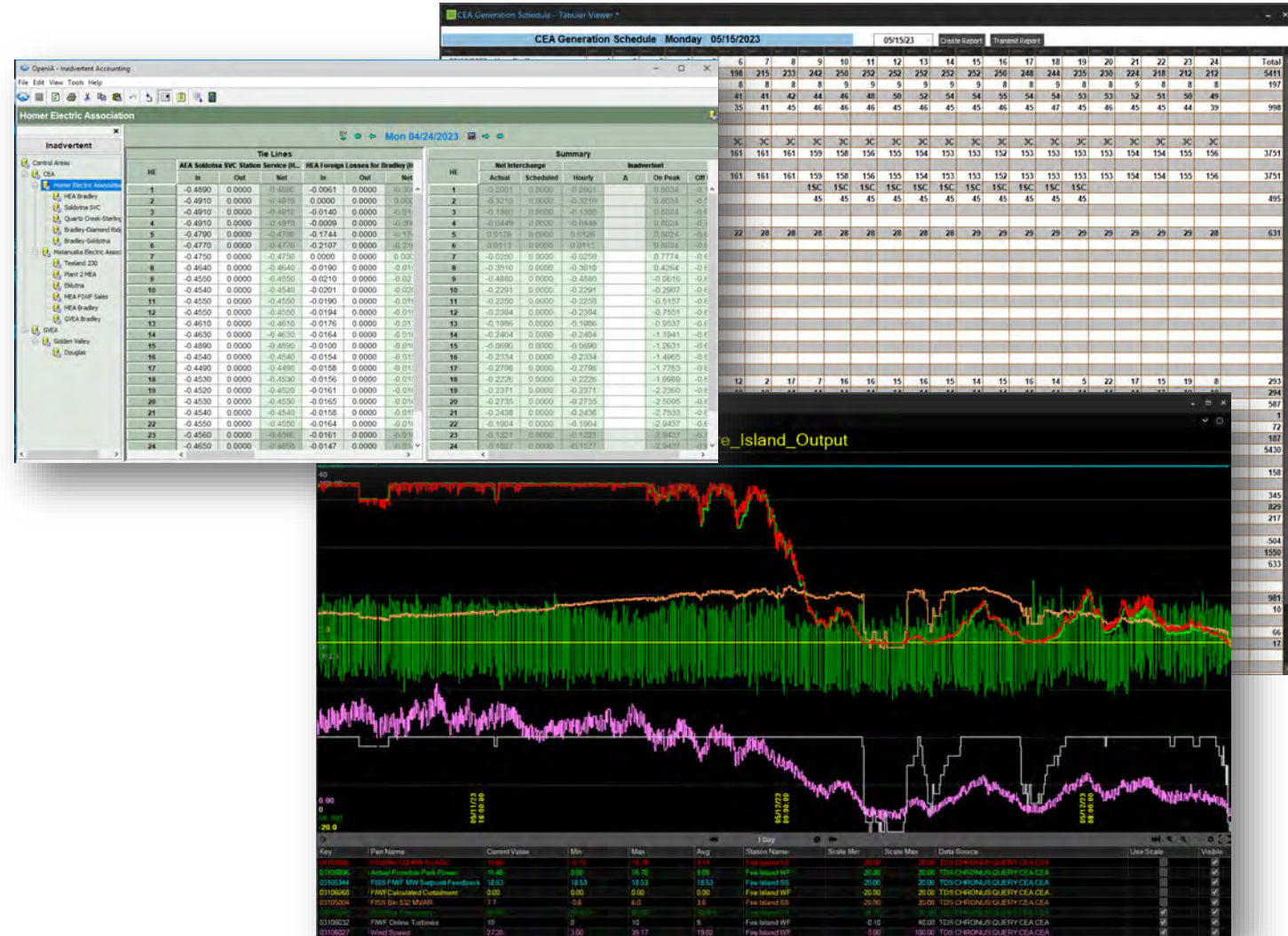
<https://www.researchgate.net>





# SCADA

- Day ahead scheduling
- EMS processes (AGC, IA, TMS, etc.)
- Situation awareness Corporate -View only Access (Operations staff)
- Provide historical data for day ahead planning, settlement, trending and corporate users





**CHUGACH ELECTRIC ASSOCIATION, INC.  
ANCHORAGE, ALASKA**

**REGULAR BOARD OF DIRECTORS' MEETING**

**AGENDA**

Bettina Chastain, Chair  
Mark Wiggin, Vice Chair  
Sam Cason, Secretary

Rachel Morse, Director  
Sisi Cooper, Director  
Susanne Fleek-Green, Director  
Jim Nordlund, Director

---

**May 24, 2023**

**4:00 p.m.**

**Chugach Board Room**

---

- I. CALL TO ORDER (4:00 p.m.)
  - A. *Pledge of Allegiance*
  - B. *Roll Call*
  - C. *Safety Minute – “Lawn Mower Safety” (Freeman)*
  - D. *Electric Power Factoid: Supervisory Control & Data Acquisition (SCADA) (Popovici)*
- II. APPROVAL OF THE AGENDA\* (4:05 p.m.)
- III. PERSONS TO BE HEARD (4:10 p.m.)
  - A. *Member Comments*
- IV. DIRECTOR REPORTS (4:20 p.m.)
  - A. *Alaska Power Association (APA) Report*
  - B. *Board Committee Reports (Audit & Finance, Operations & Governance)*
  - C. *Other Meeting Reports*
- V. CONSENT AGENDA\* (4:40 p.m.)
  - A. *Board Calendar*
  - B. *Training and Conferences*
    - 1. *2023 APA Annual Meeting (August 22-25, 2023) – Valdez, AK*
  - C. *Minutes*
    - 1. *April 26, 2023, Regular Board of Directors’ Meeting (Cacy)*
    - 2. *May 11, 2023, Special Board of Directors’ Meeting (Doyle)*
    - 3. *May 19, 2023, Regular Board of Directors’ Meeting (Cacy)*
  - D. *Director Expenses*

- VI. CEO REPORTS AND CORRESPONDENCE (4:45 p.m.)
  - A. Eklutna Update (Brodie) (4:45 p.m.)
  - B. 2023 General Rate Case Update (Kornmuller/Clarkson) (5:00 p.m.)
  - C. 2022 Sustainability Report (Ayers) (5:10 p.m.)
  - D. Gas Supply Update (Gerlek/Thompson) (5:25 p.m.)
  - E. Board Policy Scheduled Tasks/Reports (Board/Staff) (5:55 p.m.)
- VII. UNFINISHED BUSINESS (none)
- VIII. NEW BUSINESS\* (scheduled) (6:00 p.m.)
  - A. Board of Directors – Election of Officers\* (Board/Clarkson) (6:00 p.m.)
  - B. Appointment of APA Member and Alternate Representatives\* (Board) (6:15 p.m.)
  - C. Adopt 2023 – 2024 Calendar of Regular Meetings of the Board of Directors\* (Doyle) (6:20 p.m.)
  - D. Plant 1 Breaker Replacement\* (M. Miller) (6:30 p.m.)
  - E. NRECA National Resolutions Committee: Early Retirement of Generation Assets (Board) (6:45 p.m.)
- IX. EXECUTIVE SESSION\* (scheduled) (7:00 p.m.)
  - A. 1991 Fish and Wildlife Agreement (Glass/Miller)
  - B. BRU Agreement - Imbalanced Elections (Armfield/Clarkson)
  - C. Seward Electric System (Miller)
- X. NEW BUSINESS\* (scheduled) (7:40 p.m.)
  - A. BRU Agreement - Imbalanced Elections\*\* (Armfield/Clarkson) (7:40 p.m.)
- XI. DIRECTOR COMMENTS (7:45 p.m.)
- XII. ADJOURNMENT\* (8:00 p.m.)

\* Denotes Action Items

\*\* Denotes Possible Action Items

# May 2023

May 2023							June 2023							
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	
		1	2	3	4	5	6					1	2	3
7	8	9	10	11	12	13	4	5	6	7	8	9	10	
14	15	16	17	18	19	20	11	12	13	14	15	16	17	
21	22	23	24	25	26	27	18	19	20	21	22	23	24	
28	29	30	31				25	26	27	28	29	30		

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Apr 30	May 1	2 5:30pm Election Committee Meeting (Cooper, Smith) (Board Room CR) - Teresa Kurka	3 9:00am REAP Public Policy Committee Meeting (Via Zoom) - CCBOD 4:00pm Operations Committee Meeting (Board Room CR) - Arden Quezon	4 12:00pm REAP Webinar   Electric Utility Cooperatives & Board Elections (Zoom)	5	6
7	8	9 10:00am Voice over Treasurer video (Hollis) (Gonzalez Marketing - 2804 West Northern Lights) - Julie 3:00pm AK Energy Security Task Force Meeting (Alaska Energy Authority/Teams) -	10 9:30am APA Executive Committee meeting (Microsoft Teams Meeting) - Crystal Enkvist Alaska Power Association	11 1:30pm Special Board of Directors' Meeting (Board Room CR) - Ashton Doyle	12	13
14	15	16 5:30pm Election Committee Meeting (Cooper, Smith) (Board Room CR) - Teresa Kurka 6:00pm NWPPA Welcome Reception (Anchorage Museum)	17 9:00am REAP Public Policy Committee Meeting (Via Zoom) - CCBOD	18	19 3:00pm Member Appreciation Day (ChangePoint Alaska (6689 ChangePoint Dr.)) - Ashton Doyle 6:00pm Annual Membership Meeting/Special Board of Directors' Meeting	20
21	22 8:00am Review Board Packet (CEO's Office) - Arden Quezon	23 5:30pm Election Committee Meeting - Lessons Learned (Board Room CR) - Teresa Kurka	24 4:00pm Regular Board of Directors Meeting (Board Room CR) - Arden Quezon	25	26 9:00am Review Audit & Finance Packet (Board Room CR) - Sandra Cacy	27
28	29 Memorial Day	30	31 4:00pm Audit & Finance Committee Meeting (Board Room CR) - Arden Quezon	Jun 1	2	3

# June 2023

June 2023							July 2023						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3							1
4	5	6	7	8	9	10	2	3	4	5	6	7	8
11	12	13	14	15	16	17	9	10	11	12	13	14	15
18	19	20	21	22	23	24	16	17	18	19	20	21	22
25	26	27	28	29	30		23	24	25	26	27	28	29
							30	31					

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
May 28	29	30	31	Jun 1	2 9:00am Governance Committee Packet Review (CEO's Office) - Arden Quezon	3
4	5	6 APA Federal Legislative Conference (Washington, D.C.)		7 4:00pm Governance Committee Meeting (Microsoft Teams Meeting) - Arden Quezon	8	9
11	12	13	14	15	16	17
18	19	20	21	22	23 9:00am Board Packet Review (CEO's Office) - Arden Quezon	24
25	26	27	28 4:00pm Regular Board of Directors Meeting (Board Room CR) - Arden Quezon	29	30	Jul 1

# July 2023

July 2023						August 2023							
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
						1			1	2	3	4	5
2	3	4	5	6	7	8	6	7	8	9	10	11	12
9	10	11	12	13	14	15	13	14	15	16	17	18	19
16	17	18	19	20	21	22	20	21	22	23	24	25	26
23	24	25	26	27	28	29	27	28	29	30	31		
30	31												

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Jun 25	26	27	28	29	30	Jul 1
2	3	4 Independence Day	5	6	7 9:00am Operations Committee Packet Review (CEO's Office) - Arden Quezon	8
9	10	11	12 4:00pm Operations Committee Meeting (Board Room CR) - Arden Quezon	13	14	15
16	17	18	19 5:00pm Member Advisory Council (MAC) Meeting (Board Room CR) - CCBOD	20	21 9:30am Review Board Packet (CEO's Office) - Arden Quezon	22
23	24	25	26 4:00pm Regular Board of Directors Meeting (Board Room CR) - Arden Quezon	27	28 Arctic Road Rally	29
30 Arctic Road Rally	31	Aug 1	2	3	4	5

# August 2023

August 2023

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

September 2023

Su	Mo	Tu	We	Th	Fr	Sa
						1 2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Jul 30	31	Aug 1 Arctic Road Rally	2	3	4	5
6	7	8 APA 2023 Accounting and Finance Workshop	9	10	11	12
13	14	15	16	17	18 9:30am Review Board Packet (CEO's Office)	19
20	21	22 APA & ARECA Annual Meeting			25 9:00am Review Audit & Finance Packet (Board Room CR) - Sandra Cacy	26
			23 NRECA Director Training 4:00pm Regular Board of Directors Meeting (Board Room CR) - CCBOD	24		
27	28	29	30 4:00pm FW: Audit & Finance Committee Meeting (Board Room CR) - Arden Quezon	31	Sep 1	2

# September 2023

September 2023

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

October 2023

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Aug 27	28	29	30	31	Sep 1	2
3	4 Labor Day	5	6	7	8 9:00am Review Governance Packet (Board Room CR) - Sandra Cacy	9
10	11	12	13 4:00pm Governance Committee Meeting (Board Room CR) - Arden Quezon	14	15	16
17	18	19	20	21	22 9:30am Review Board Packet (CEO's Office) - Arden Quezon	23
24	25	26	27 4:00pm Regular Board of Directors Meeting (Board Room CR) - Arden Quezon	28	29	30



# October 2023

October 2023

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

November 2023

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Oct 1	2	3	4 5:00pm Member Advisory Council (MAC) Meeting (TBD) - CCBOD	5	6 9:00am Review OPS Packet (Board Room CR) - Sandra Cacy	7
8	9	10	11 4:00pm Operations Committee Meeting (Board Room CR) - Arden Quezon	12	13	14
15	16	17	18	19	20 9:30am Review Board Packet (CEO's Office) - Arden Quezon	21
22	23	24	25 4:00pm Regular Board of Directors Meeting (Board Room CR) - Arden Quezon	26	27	28
29	30	31	Nov 1	2	3	4

# November 2023

November 2023

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

December 2023

Su	Mo	Tu	We	Th	Fr	Sa
						1
	3	4	5	6	7	8
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Oct 29	30	31	Nov 1	2	3	4
5	6 9:30am Audit & Finance Packet Review (Sherri's Office) - Arden Quezon	7	8 4:00pm FW: Audit & Finance Committee (Budget) (Board Room CR) - Arden Quezon	9	10 9:30am Board Packet Review (CEO's Office) - Arden Quezon	11
12	13	14	15 4:00pm Regular Board of Directors Meeting (Board Room CR) - Arden Quezon	16	17	18
19	20	21	22	23 Thanksgiving Holiday	24	25
26	27 9:00am Audit & Finance Packet Review (Sherri's Office) - Arden Quezon	28	29 4:00pm Audit & Finance Committee Meeting (Board Room CR) - Arden Quezon	30	Dec 1	2

# December 2023

December 2023						January 2024							
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
					1	2		1	2	3	4	5	6
3	4	5	6	7	8	9	7	8	9	10	11	12	13
10	11	12	13	14	15	16	14	15	16	17	18	19	20
17	18	19	20	21	22	23	21	22	23	24	25	26	27
24	25	26	27	28	29	30	28	29	30	31			
31													

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Nov 26	27	28	29	30	Dec 1 9:00am Governance Packet Review (Arthur's Office) - Arden Quezon	2
3	4	5	6 APA/AIE Open House December Meeting Series 4:00pm Governance Committee Meeting (Board Room CR) - Arden Quezon	7	8 9:00am Review Board Packet (CEO's Office) - Arden Quezon	9
10	11	12	13 4:00pm Regular Board of Directors Meeting (Board Room CR) - Arden Quezon	14	15	16
17	18	19	20	21	22 Christmas Eve Holiday Observed	23
24	25 Christmas Day	26	27	28	29 New Years Eve Holiday Observed	30
31	Jan 1, 24	2	3	4	5	6

# January 2024

January 2024

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

February 2024

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Dec 31	Jan 1, 24 New Years Day	2	3	4	5 9:00am Review Governance Packet (Board Room CR) - Sandra Cacy	6
7	8	9	10 4:00pm Governance Committee Meeting (Board Room CR) - Sandra Cacy	11	12	13
14	15	16	17	18	19 9:00am Review Board Packet (Board Room CR) - Sandra Cacy	20
21	22	23	24 4:00pm Regular Board of Directors Meeting (Board Room CR) - Sandra Cacy	25	26	27
28	29	30 APA Managers' Forum meeting and NRECA Director Training class	31 2024 APA State Legislative Co	Feb 1	2	3

# February 2024

February 2024

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

March 2024

Su	Mo	Tu	We	Th	Fr	Sa
						1 2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Jan 28	29	30	31	Feb 1 2024 APA State Legislative C	2 9:00am Review Operations Packet (Board Room CR) - Sandra Cacy	3
4	5	6	7 4:00pm Operations Committee Meeting (Board Room CR) - Sandra Cacy	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23 9:00am Review Board Packet (Board Room CR) - Sandra Cacy	24
25	26	27	28 4:00pm Regular Board of Directors Meeting (Board Room CR) - Sandra Cacy	29	Mar 1	2

# March 2024

March 2024						April 2024							
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
					1	2		1	2	3	4	5	6
3	4	5	6	7	8	9	7	8	9	10	11	12	13
10	11	12	13	14	15	16	14	15	16	17	18	19	20
17	18	19	20	21	22	23	21	22	23	24	25	26	27
24	25	26	27	28	29	30	28	29	30				
31													

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Feb 25	26	27	28	29	Mar 1 8:00am NRECA PowerXchange (March 1 - 6 San Antonio)	2
3	4 NRECA PowerXchange (March 1 - 6 San Antonio)	5	6 8:30am	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22 9:00am Review Board Packet (Board Room CR) - Sandra Cacy	23
24	25	26	27 4:00pm Regular Board of Directors Meeting (Board Room CR) - Sandra Cacy	28	29 9:00am Review Audit & Finance Packet (Board Room CR) - Sandra Cacy	30
31	Apr 1	2	3	4	5	6

# April 2024

April 2024

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

May 2024

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Mar 31	Apr 1	2	3 4:00pm Audit & Finance Committee Meeting (Board Room CR) - Sandra Cacy	4	5 9:00am Review OPS Packet (Board Room CR) - Sandra Cacy 10:00am Review Governance Packet (Board Room CR) - Sandra Cacy	6
7	8	9	10 4:00pm Operations Committee Meeting (Board Room CR) - Sandra Cacy 6:00pm Governance Committee Meeting (immediately following OPS Meeting) (Board Room CR) - Sandra Cacy	11	12	13
14	15	16	17	18	19 9:00am Review Board Packet (Board Room CR) - Sandra Cacy	20
21	22	23	24 4:00pm Regular Board of Directors Meeting (Board Room CR) - Sandra Cacy	25	26	27
28	29	30	May 1	2	3	4



## **ALASKA POWER ASSOCIATION 2023 ANNUAL MEETING – VALDEZ, ALASKA!**

The Alaska Power Association (APA) and ARECA Insurance Exchange (AIE) Annual Meetings is the premier conference for Alaska’s electric utilities. Featuring informative presentations, networking opportunities, and collaborative meetings, the conference is designed to continue advancing the industry that powers the Last Frontier.

### **APA & AIE Annual Meeting Trade Show**

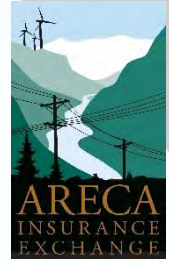
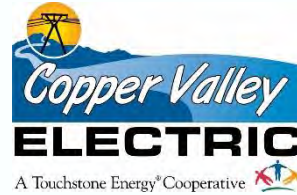
The APA & AIE Annual Meeting Trade Show is the perfect place for vendors to interact with electric utility employees from across the state. We strategically locate the trade show so our members **MUST** pass through it on their way into the meetings. The APA & AIE Annual Meeting Trade Show will be **THE** place to be this August.





# Alaska Power Association 72nd Annual Meeting and ARECA Insurance Exchange Annual Meeting

August 22-25, 2023 Valdez Civic Center, Valdez, Alaska  
Hosted by Copper Valley Electric Association



## Tuesday August 22, 2023

Afternoon	Tour of local power plant (TBA)	Valdez, AK
Evening Welcome Reception	To be Determined	Valdez, AK

## Wednesday, August 23, 2023

7:00 a.m. - 9:00 a.m.	Breakfast	Valdez Civic Center
7:30 a.m. - 4:00 p.m.	Registration desk open	
8:00 a.m. - 8:30 a.m.	ARECA Educational Foundation Meeting	
8:30 a.m. - 4:30 p.m.	NRECA Director Training	
8:30 a.m. - 9:00 a.m.	AK 220 Shareholders Meeting	
9:00 a.m. - 4:00 p.m.	Companion Tour	
9:00 a.m. - 9:30 a.m.	Break	
9:30 a.m. - 12:00 p.m.	APA Managers' Forum	
12:00 p.m. - 2:00 p.m.	Lunch	
2:00 p.m. - 4:00 p.m.	ARECA Insurance Exchange Meeting	
6:00 p.m. - 8:00 p.m.	ARECA Insurance Exchange Reception	To Be Determined

## Thursday, August 24, 2023

7:00 a.m. - 9:00 a.m.	Breakfast	Valdez Civic Center
7:30 a.m. - 2:00 p.m.	Registration desk open	
8:00 a.m. - 10:00 a.m.	APA General Session I	
10:00 a.m. - 10:30 a.m.	Break	
10:30 a.m. - 12:00 p.m.	APA General Session II	
12:00 p.m. - 1:30 p.m.	Lunch	
1:30 p.m. - 3:30 p.m.	APA Board of Directors Meeting	
5:00 p.m. - 8:00 p.m.	APA Awards Banquet	Valdez Civic Center
8:00 p.m. - 9:30 p.m.	ARECA Educational Foundation Auction	

## Friday, August 25, 2023

7:00 a.m. - 9:00 a.m.	Breakfast	Valdez Civic Center
8:30 a.m. - 10:30 a.m.	APA General Session III	
10:30 a.m. - 10:45 a.m.	Break	
10:45 a.m. - 12:00 p.m.	APA General Session IV	
12:00 p.m. - 1:00 p.m.	Lunch	

\*Agenda is subject to change without notice.

**CHUGACH ELECTRIC ASSOCIATION, INC.**  
**Anchorage, Alaska**

**April 26, 2023**  
**Wednesday**  
**4:00 p.m.**

**REGULAR BOARD OF DIRECTORS' MEETING**

Recording Secretary: Sandra Cacy

**I. CALL TO ORDER**

Chair Chastain called the Regular Board of Directors' meeting to order at 4:00 p.m. in the boardroom of Chugach Electric Association, Inc., 5601 Electron Drive, Anchorage, Alaska.

*A. Pledge of Allegiance*

Chair Chastain led the Board in the Pledge of Allegiance.

*B. Roll Call*

*Board Members Present:*

Bettina Chastain, Chair  
Mark Wiggin, Vice Chair  
Harold Hollis, Treasurer  
Sam Cason, Secretary  
Rachel Morse, Director  
Sisi Cooper, Director  
Bernie Smith, Director

*Staff and Guests in Attendance:*

*Present:*

Arthur Miller	Sean Skaling	Jean Kornmuller
Matthew Clarkson	Mike Miller	Todd McCarty
Crystal Enkvist,	Karen Griffin	Kate Ayers
AK Power Association	Sherri Highers	Mark Henspeter
Josh Resnick	Teresa Kurka	Ky'yanna Hamilton
Marty Freeman	Julie Hasquet	David Caye
Andrew Laughlin	Steve Konkel,	Jonas Banta,
Trish Baker	Member	Alaska Center
Gene White,	Alex Baker,	Dimitri Shein,
Member	AKEVA	AKEVA

*Via Teleconference:*

Cutis Sims	Nathan Golab	Shaina Kilcoyne,
Matt Perkins,	Ashton Doyle	Member
Alaska Renewables	Darvin Thornton	Peyton Reid

- C. *Safety Minute*  
Marty Freeman, Senior Manager, HSE, discussed “*Safe Use of Power Tools*” and March Safety Statistics and responded to questions from the Board.
- D. *Electric Power Factoid: Automatic Outage Notification*  
Todd McCarty, Vice President, Information Services, presented an overview of automatic outage notifications and responded to questions from the Board.

## II. APPROVAL OF AGENDA

Director Wiggin moved, and Director Morse seconded the motion to approve the agenda. The motion passed unanimously.

## III. PERSONS TO BE HEARD

### A. *Member Comments*

Gene White, Chugach Member and AK Electric Vehicle Association (AKEVA) Member brought up the issue of the lack of EV charging stations and Arthur Miller, Chief Executive Officer (CEO), addressed the topic and upcoming plans.

Aurora Roth, Chugach Member, was not available to speak, however Chair Chastain read her comment which was in regard to Chugach emails being delivered to junk or spam filters. Arthur Miller, CEO, and Teresa Kurka, VP, Member Services, addressed Aurora’s comments and responded to questions from the Board.

Dimitri Shein, Chugach Member and AKEVA Member, also addressed the Board on the issue of the lack of EV charging stations and the lack of faster charging stations in Anchorage. Arthur Miller, CEO, addressed Dimitri’s comments and responded to questions from the Board.

## IV. DIRECTOR REPORTS

### A. *Alaska Power Association (APA) Report*

Director Hollis introduced Crystal Enkvist, Executive Director, AK Power Association (APA), who provided an update on APA activities, which had a Safety Focus recently, as well as other upcoming events. Director Hollis praised APA for staying on top of legislative updates during the legislative session.

### B. *Renewable Energy Alaska Project (REAP) Report*

Director Wiggin stated that he had nothing new to report on REAP.

### C. *Board Committee Reports (Audit and Finance, Operations & Governance)*

Director Hollis reported on the March 29, 2023 Audit & Finance Committee Meeting and noted that the next Audit & Finance meeting would be May 31, 2023.

Director Wiggin reported on the April 19, 2023, Operations Committee Meeting and reported the next meeting would be held on May 3, 2023.

Director Cason reported on the April 12, 2023 Governance Committee Meetings and reported the next meeting would be held on June 7, 2023.

*D. Other Meeting Reports*

Director Hollis reported on the Railbelt Issues Forum that he attended on April 17, 2023 and commented on the Alaska Energy Security Task Force.

**V. CONSENT AGENDA**

*A. Board Calendar*

*B. Training and Conferences*

- 1. NWPPA Annual Conference, May 14-17, 2023, Anchorage, AK*
- 2. Alaska Sustainable Energy Conference, May 22-25, 2023, Anchorage, AK*
- 3. APA 2023 Federal Legislative Conference, June 6 – 8, 2023, Washington, DC*
- 4. APA & AIE Annual Meetings, August 22 – 25, 2023, Valdez, AK*

*C. Minutes*

- 1. Marcy 22, 2023, Regular Board of Directors' Meeting (Doyle)*
- 2. April 13, 2023, Special Board of Directors' Meeting (Doyle)*

*D. Approve Board Policy 304 – Capital Credits*

*E. Approve Board Policy 302 – Integrated Resource Planning*

*F. Approve Board Policy 306 – Strategic Planning*

*G. Director Expenses*

Director Hollis moved, and Director Cason seconded the motion to approve the consent agenda. The motion passed unanimously.

**VI. CEO REPORTS AND CORRESPONDENCE**

*A. Electric Reliability Organization (ERO) Surcharge (Kornmuller)*

Jean Kornmuller, Sr. Manager, Regulator Affairs, discussed the implemented ERO Surcharge and responded to questions from the Board.

*B. January/February 2023 Financial Statements and Variance Report (Griffin)*

Karen Griffin, VP, Finance and Accounting, provided the January and February 2023 Variance Report, an update on the Financials, and responded to questions from the Board.

*C. Board Policy Scheduled Tasks/Reports (Board/Staff)*

The Board Policy Scheduled Tasks were provided in the meeting packet.

Arthur Miller, CEO, discussed the CEO Reports and Correspondence contents and responded to questions from the Board.

**VII. UNFINISHED BUSINESS**

None.

**VIII. NEW BUSINESS**

None.

**IX. EXECUTIVE SESSION**

*A. Recommendation on May1, 2022 – April 30, 2023 – Chief Executive Officer Evaluation and Compensation (Board)*

At 5:19 p.m., Director Cooper moved, and Director Hollis seconded the motion that pursuant to Alaska Statute 10.25.175(c)(1), (3) and (4), the Board of Directors go into executive session to: 1) discuss and receive reports regarding matters the immediate knowledge of which would clearly

have an adverse effect on the finances of the cooperative; 2) discuss with its attorneys matters the immediate knowledge of which could have an adverse effect on the legal position of the cooperative; and 3) discuss personnel matters. The motion passed unanimously.

*The meeting reconvened in open session at 6:01 p.m.*

## **X. NEW BUSINESS\***

### *A. Old Seward Highway Undergrounding Project\**

Mike Miller, Vice President, Engineering, Distribution-Construction, discussed with the Board the Old Seward, O'Malley Road to Dimond Blvd Overhead to Underground Conversion project and the necessary costs and purchases associated with it. Arthur Miller responded to questions and comments from the Board.

Director Morse moved and Director Wiggin seconded the motion that the Board of Directors authorize the Chief Executive Officer to acquire, construct, and install the Old Seward, O'Malley Road to Dimond Boulevard Overhead to Underground Conversion project for at an estimated Total Installed Cost of \$5,700,000. The motion passed unanimously.

### *B. Baxter Road Undergrounding Project\**

Mike Miller discussed with the Board the Baxter Road Overhead to Underground Conversion project and the necessary costs and purchases associated with it. Arthur Miller responded to questions and comments from the Board.

Director Hollis moved and Director Cason seconded the motion that the Board of Directors authorize the Chief Executive Officer to acquire, construct, and install the Baxter Road Overhead to Underground Conversion project at an estimated Total Installed Cost of \$2,900,000. The motion passed unanimously.

### *C. Girdwood to Indian Steel Procurement\**

Mike Miller discussed with the Board the Quartz Creek Rebuild: Girdwood to Indian Steel Pole and Crossarm Procurement bid options and reasons for choosing Valmont. Mr. Miller responded to questions and comments from the Board.

Director Cooper moved and Director Wiggin seconded the motion that the Chugach Board of Directors authorize the Chief Executive Officer to execute a contract with Valmont in the amount of \$3,153,357. The motion passed unanimously.

### *D. Recommendation on May 1, 2022 – April 30, 2023 – Chief Executive Officer Evaluation and Compensation\**

The Board discussed the May 1, 2022 – April 30, 2023 – Chief Executive Officer Evaluation and Compensation.

Director Wiggin moved and Director Hollis seconded the motion that the Board of Directors approve the May 1, 2022 – April 30, 2023, Chief Executive Officer evaluation and compensation as discussed in executive session.

## **XI. DIRECTOR COMMENTS**

Director comments were made at this time.

**XII. ADJOURNMENT**

At 6:58 p.m., Director Morse moved, and Director Wiggin seconded the motion to adjourn. The motion passed unanimously.

---

Samuel Cason, Secretary

Date Approved: May 24, 2023

**CHUGACH ELECTRIC ASSOCIATION, INC.**  
**Anchorage, Alaska**

**May 11, 2023**  
**Thursday**  
**1:30 p.m.**

**SPECIAL BOARD OF DIRECTORS' MEETING**

Recording Secretary: Sandra Cacy

**I. CALL TO ORDER**

Chair Chastain called the Special Board of Directors' meeting to order at 1:38 p.m. in the boardroom of Chugach Electric Association, Inc., 5601 Electron Drive, Anchorage, Alaska.

*A. Pledge of Allegiance*

Chair Chastain led the Board in the Pledge of Allegiance.

*B. Roll Call*

*Board Members Present:*

Bettina Chastain, Chair  
Mark Wiggin, Vice Chair  
Harold Hollis, Treasurer  
Rachel Morse, Director  
Sisi Cooper, Director  
Bernie Smith, Director  
Sam Cason, Secretary

*Staff and Guests in Attendance:*

*Present:*

Arthur Miller	Sean Skaling	Todd McCarty
Matthew Clarkson	Sherri Highers	Steve Konkel,
Josh Travis	Julie Hasquet	Member
Andrew Laughlin	James Torgerson,	Kate Ayers
Trish Baker	Legal Counsel	Robin Smith,
Mark Foster,	Nat Herz,	Member
Member	Northern Journal	Eric McCallum,
		Member

*Via Teleconference:*

Ky'yanna Hamilton	Ashton Doyle	Antony Scott,
Brian Kassof,	Chris Rose,	Member
Non-Member	Non-Member	Aurora Roth,
Donovan Russoniello,	Curtis Sims	Non-Member
Member	Debbie Gardino	Kyla Kosednar,
Drew Cason,	Jenny-Marie Stryker,	Member
Non-Member	Member	Nathan Golab

*Via Teleconference (cont.):*

Penny Gage,  
Member  
Sydney Scout,  
Non-Member

Rachel Christenson,  
Non-Member  
Haleigh Reed,  
Member

Russ Thornton  
Connor Bates-Janigo,  
REAP  
William Herman,  
Member

**II. APPROVAL OF AGENDA**

Director Hollis moved, and Director Wiggin seconded the motion to approve the agenda. Director Cason requested a friendly amendment to switch the order of items A. and B under New Business. The motion passed unanimously, as amended.

**III. PERSONS TO BE HEARD**

The Board of Directors heard comments from Antony Scott, Jenny-Marie Stryker, Kyla Kosednar, Donovan Russoniello, Penny Gage, Aurora Roth, William Herman, and Drew Cason in regard to the Renewable Portfolio Standard (RPS) letter potential action and Chugach’s Renewable Energy Alaska Project (REAP) membership.

**IV. DIRECTOR REPORTS**

None.

**V. CONSENT AGENDA**

None.

**VI. CEO REPORTS AND CORRESPONDENCE**

None.

**VII. UNFINISHED BUSINESS**

None.

**VIII. NEW BUSINESS**

*A. Renewable Energy Alaska Project Membership (Torgerson/Miller)*

James Torgerson, Stoel Rives. LLP, Partner, and Arthur Miller, Chief Executive Officer, discussed timeline of events and potential action, and responded to questions from the Board.

Director Cooper moved and Director Smith seconded the motion that the Board of Directors approve the attached resolution authorizing the Chief Executive Officer to take all steps necessary to withdraw the Association’s membership in REAP.

Chair Chastain called for a vote:

- Director Chastain – Yes
- Director Wiggin – Yes
- Director Hollis – Yes
- Director Cason – No
- Director Morse – Yes
- Director Cooper – Yes
- Director Smith – Yes

The motion passed 6 to 1 vote.



*B. Comments on Renewable Portfolio Standard (House Bill 121 and Senate Bill 101) (Baker/Miller)*

Trish Baker, Manager, Government and Business Affairs, and Arthur Miller, Chief Executive Officer, discussed RPS legislation, potential action, and responded to questions from the Board.

**IX. EXECUTIVE SESSION**

None.

**X. NEW BUSINESS**

None.

**XI. DIRECTOR COMMENTS**

Director comments were made at this time.

**XII. ADJOURNMENT**

At 3:16 p.m., Director Wiggin moved, and Director Morse seconded the motion to adjourn. The motion passed unanimously.

---

Samuel Cason, Secretary

Date Approved: May 24, 2023

CHUGACH ELECTRIC ASSOCIATION, INC.  
Anchorage, Alaska

**REGULAR BOARD OF DIRECTORS' MEETING**  
**AGENDA ITEM SUMMARY**

May 24, 2023

**ACTION REQUIRED**

AGENDA ITEM NO. V.D.

Information Only  
 Motion  
 Resolution  
 Executive Session  
 Other

---

**TOPIC**

Director Expenses

**DISCUSSION**

The Directors' expenses will be submitted for approval at the board meeting.

**MOTION**

*(Consent Agenda)*



# 2022 SUSTAINABILITY REPORT

RELEASED: MAY 2023

# OVERVIEW

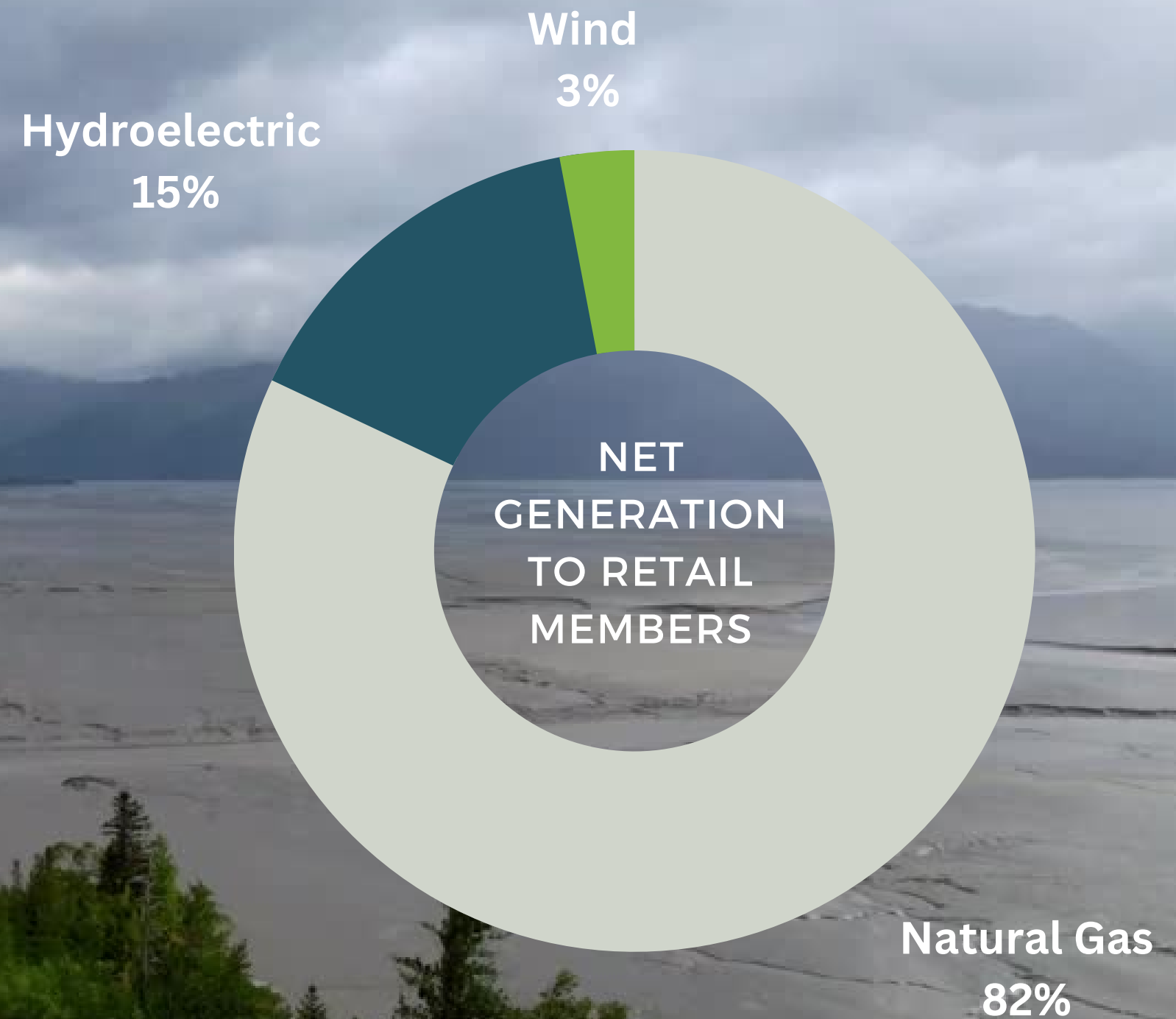
- Sustainability is Chugach's Business Management Philosophy (est. 2017)
- Triple Bottom Line
  - Planet, People and Performance
  - Environmental, Social & Governance (ESG)
- Edison Electric Institute's (EEI) template used for ESG reporting
- Voluntary Sustainability Report



*a year's overview*

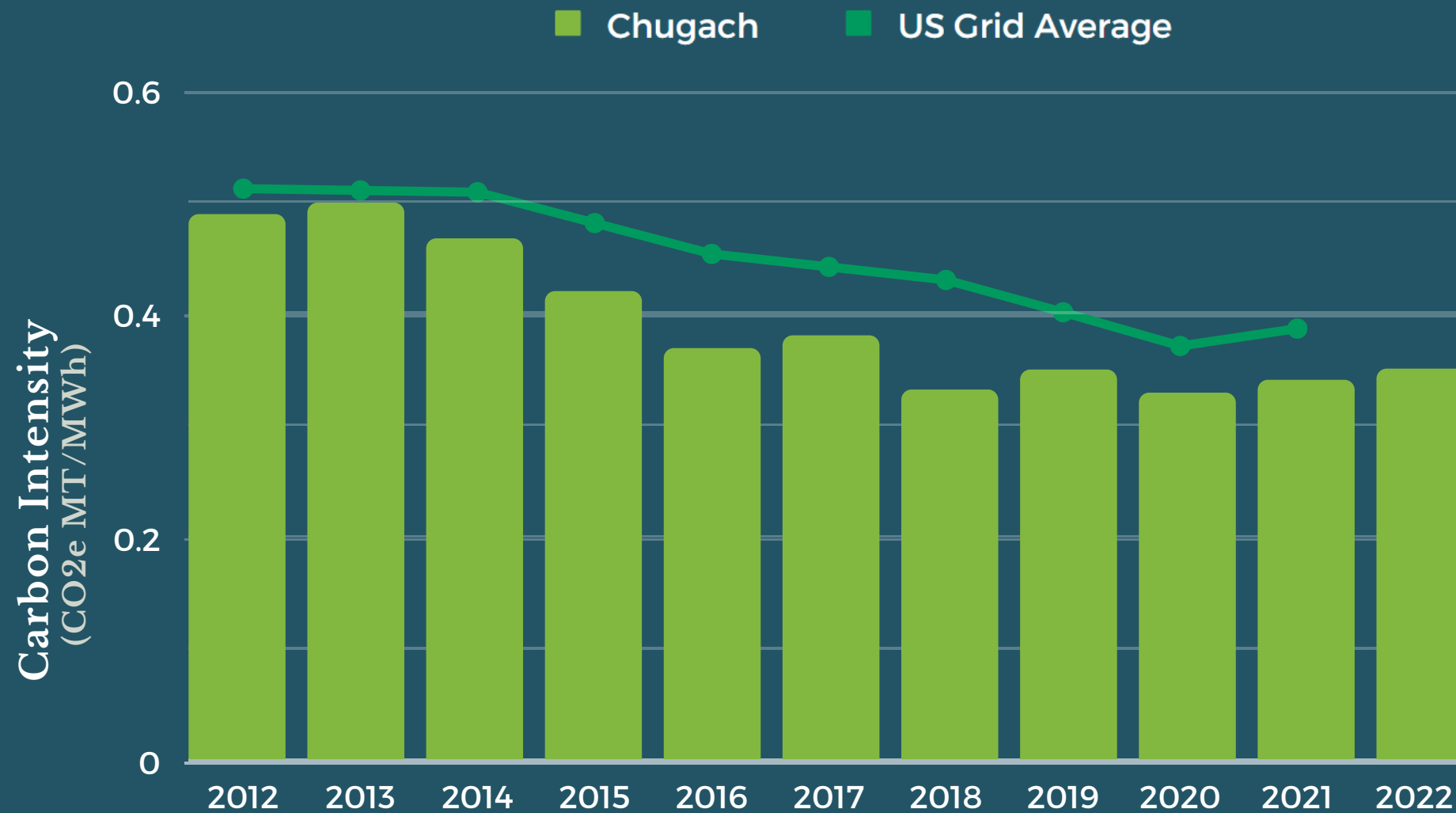
# PLANET - ENVIRONMENTAL STEWARDSHIP

Generation Mix  
Renewable Energy  
Energy Efficiency  
Decarbonization  
Beneficial Electrification  
Net Metering  
Eklutna Hydroelectric Project  
Sustainability Committee



# CARBON REDUCTION GOAL

In 2022, the Strategic Plan identified a goal of reducing Chugach's carbon intensity, from a 2012 baseline year, by at least 35% by 2030, and by at least 50% by 2040, provided there is not a negative material impact to electric rates.



**AT LEAST**

**35%**

*reduction by 2030*

**50%**

*reduction by 2040*

**FROM A 2012 BASELINE**

# BENEFICIAL ELECTRIFICATION

## REDUCES ENERGY COSTS

Electricity is often less expensive than alternative fuel



**Electric Yard Tools**

## REDUCES CARBON EMISSIONS

Electricity is cleaner than on-site fossil fuel



**Electric Vehicles**

## IMPROVES QUALITY OF LIFE

Electric equipment is quieter, compact, and low-maintenance



**Electric Heating and Cooling**



**Electric Appliances**

*a year's overview*

# PEOPLE - SOCIAL STEWARDSHIP

Employees  
Safety

Leadership Development

Diversity and Inclusion

Member Engagement

Member Committees

Energy Education

Chugach in the Community

Community Memberships

Employee Giving





# MEMBER ENGAGEMENT

- Member Appreciation Day
- Arctic Road Pre-Rally
- Efficient Fridays
- Key Member Summit

# MEMBER COMMITTEES

- Member Advisory Council (MAC)
- Election Committee
- Nominating Committee
- Bylaws Committee



# EMPLOYEE GIVING

**EMPLOYEE  
VOLUNTEER  
PROGRAM**



**Run for Women**

**EMPLOYEE  
MATCH  
PROGRAM**



**Salvation Army**

**ENERGY  
ASSISTANCE  
PROGRAM**



**Out of the Darkness**



**Citywide Cleanup**

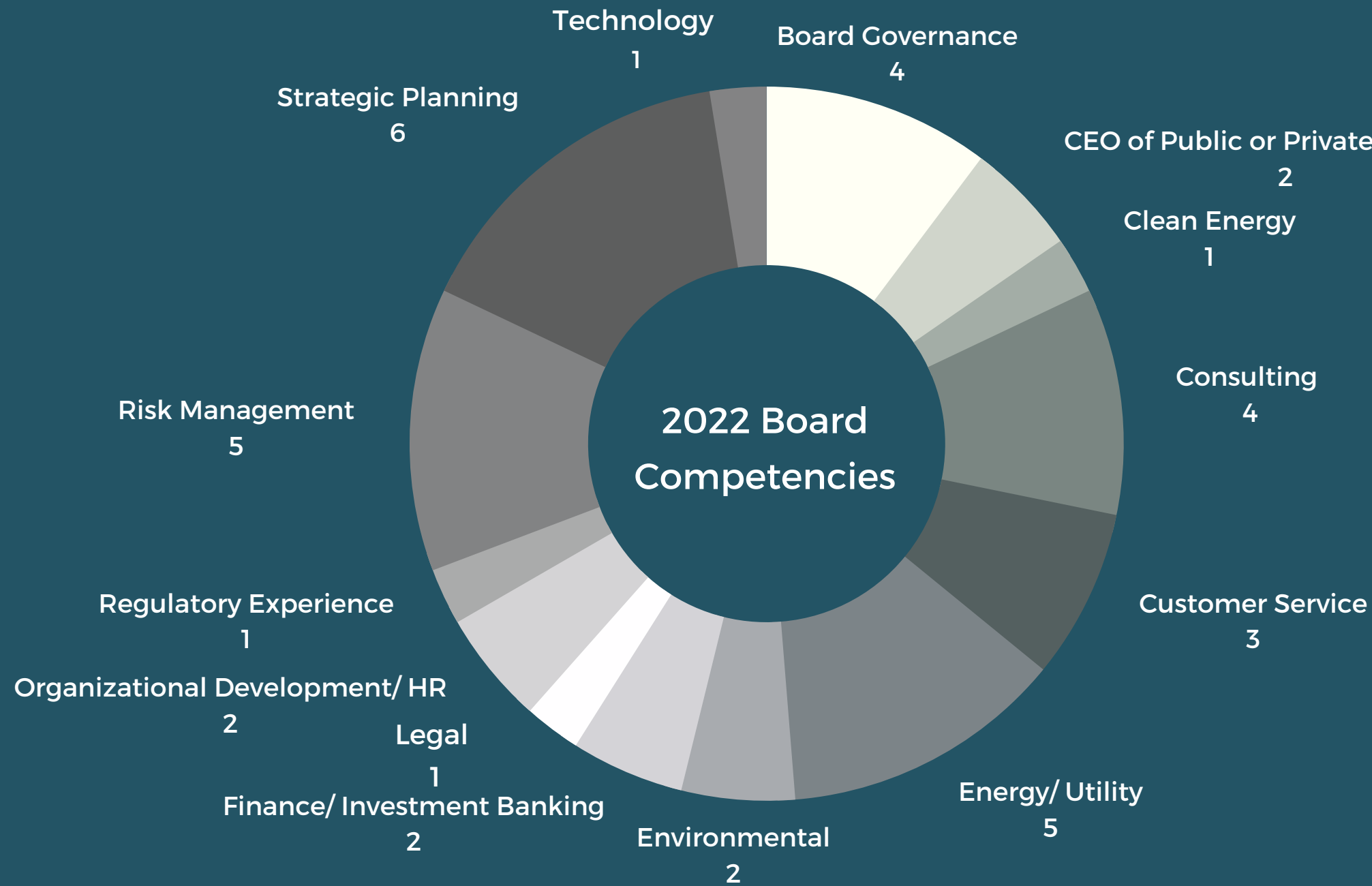
*a year's overview*

# PERFORMANCE- GOVERNANCE

**Chugach's Strategic Priorities**  
**Board of Directors**  
**Board Overview**  
**Acquisition Savings**  
**Regulated Utility**  
**Transparency**  
**Operational Excellence**  
**Member Satisfaction**  
**Business Development**  
**Cybersecurity**



# 2022 BOARD OVERVIEW



CEO of Public or Private Company

2

Clean Energy

1

Consulting

4

Customer Service

3

Energy/ Utility

5

Environmental

2

Finance/ Investment Banking

2

Legal

1

Organizational Development/ HR

2

Regulatory Experience

1

Risk Management

5

Strategic Planning

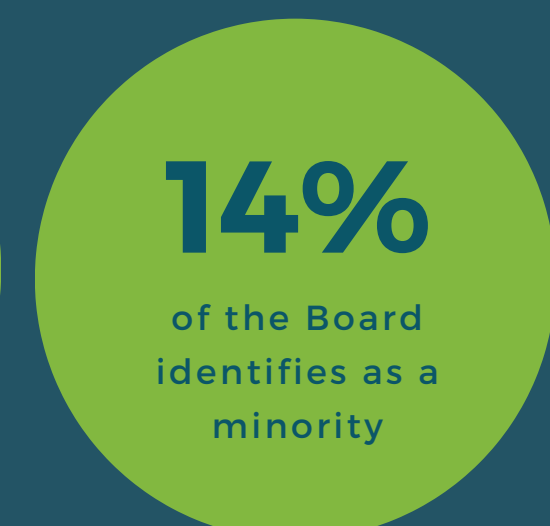
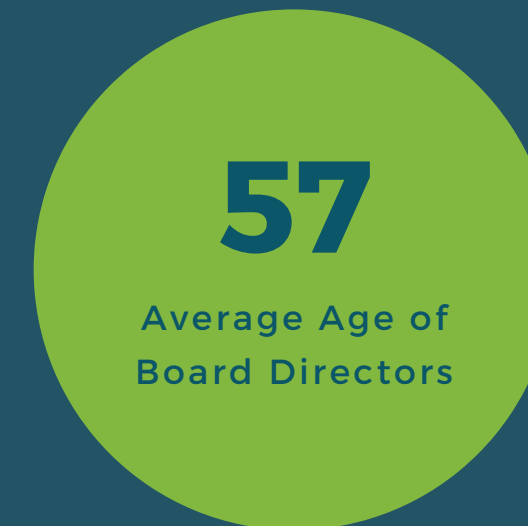
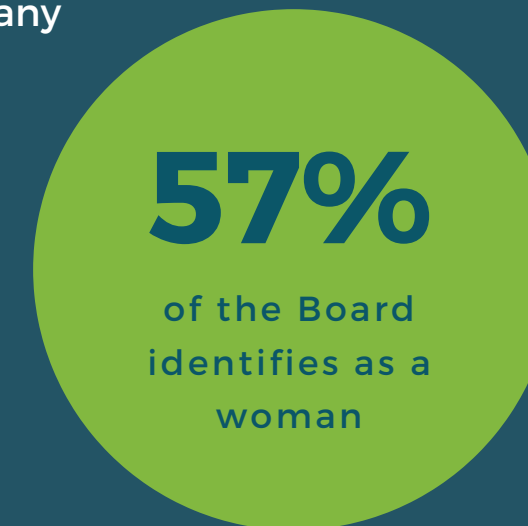
6

Technology

1

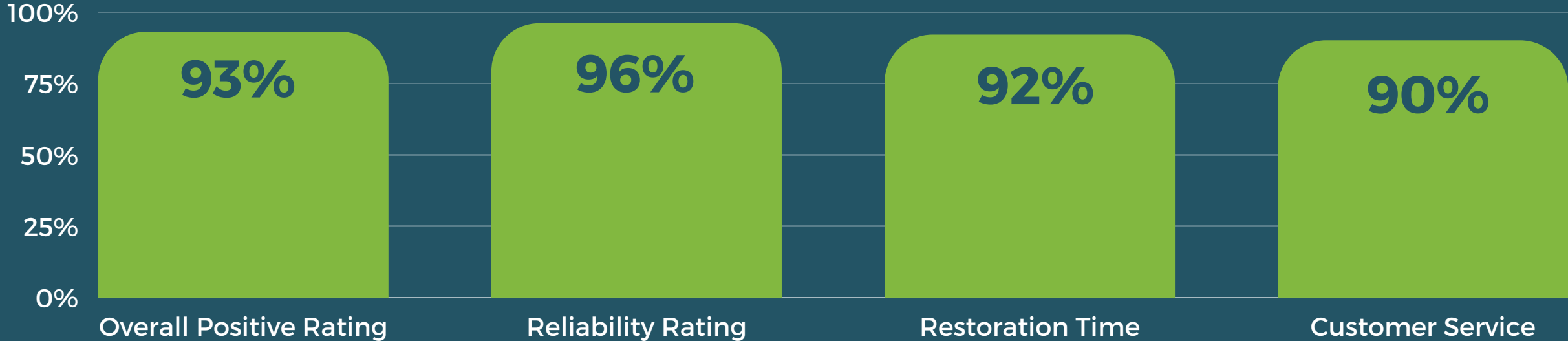
Board Governance

4



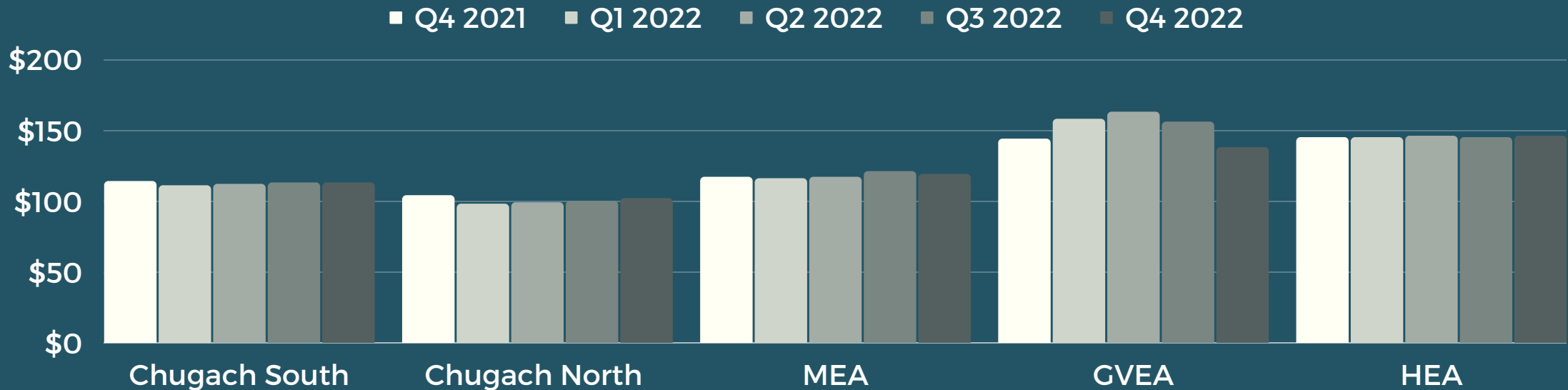
# MEMBER SATISFACTION

2022 MEMBER SURVEY RATING RESULTS

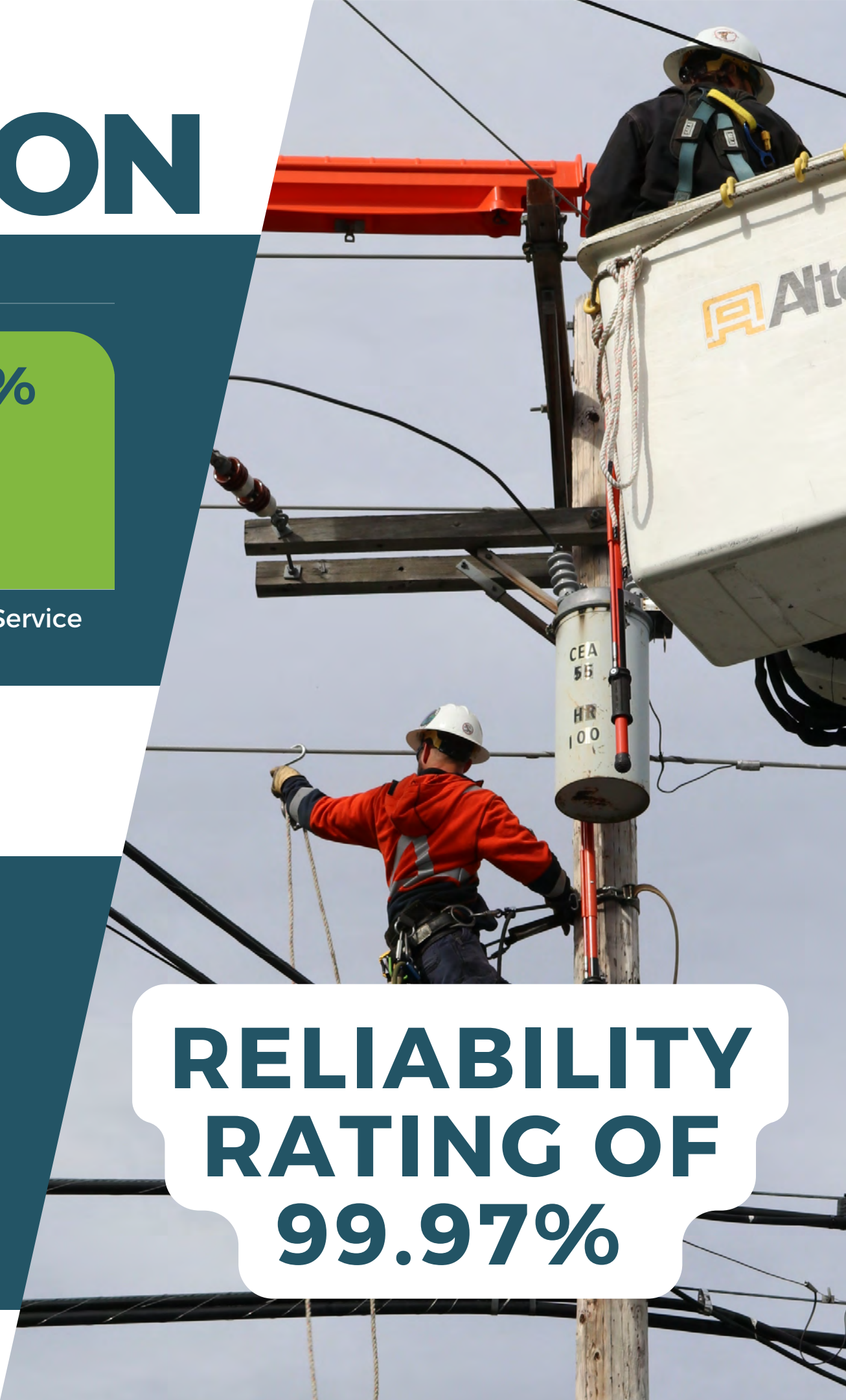


# PRICE

AVERAGE RESIDENTIAL TOTAL BILL



**RELIABILITY RATING OF 99.97%**



*a year's overview of*

# SUSTAINABLE CHUGACH



DRAFT

A nighttime photograph of a town with lights reflecting on a body of water, with snow-capped mountains in the background. The image is partially obscured by a dark blue diagonal overlay on the left side.

# 2022 SUSTAINABILITY REPORT

**CHUGACH ELECTRIC ASSOCIATION, INC.**

5601 Electron Drive  
Anchorage, Alaska 99518  
[www.chugachelectric.com](http://www.chugachelectric.com)

RELEASED: MAY 2023

**DRAFT**

**LEFT BLANK INTENTIONALLY**



4 Chugach at a  
Glance

5 Sustainable  
Chugach

6 Planet -  
Environmental  
Stewardship

14 People-  
Social  
Stewardship

24 Performance -  
Governance

31 Appendix A -  
EEI ESG  
Report



# TABLE OF CONTENTS

# CHUGACH AT A GLANCE

Chugach Electric Association, Inc. ("Chugach") was organized as an Alaska electric cooperative in 1948. As a cooperative, Chugach exists solely to serve its members, and is owned and democratically controlled by its members. The cooperative model helps keep rates low and excess revenue is re-invested in infrastructure and facilities or returned to members in the form of capital credits.

Chugach is the largest electric utility in Alaska, with approximately 91,000 members receiving power at about 113,000 locations. The service area ranges from Anchorage to the northern Kenai Peninsula, westward to Tyonek, including Fire Island, and eastward to Whittier. Chugach's service areas and the service area of its wholesale member, the City of Seward, reside within the Alaska Railbelt region of Alaska which is linked by the Alaska Railroad.



**PROVIDES POWER TO 1 IN 3 ALASKANS**



**\$354.5 MILLION TOTAL REVENUE**



**#13 LARGEST ELECTRIC CO-OP IN U.S. ON BASIS OF TOTAL ASSET VALUE**



**100% OF EMPLOYEES ARE ALASKA-BASED**



**#15 IN ALASKA'S TOP 49ERS IN BUSINESS, BASED ON GROSS REVENUE**



"We made significant strides in 2022. For the first time ever, Chugach's Strategic Plan includes decarbonization goals to support reducing our carbon emissions and reducing our dependence on natural gas. We are evaluating the operational and economic feasibility of utility-scale solar and wind projects to help us reach those goals."

-Bettina Chastain  
Chugach Board Chair



"As the state's largest electric cooperative, we know we have a responsibility to provide safe, affordable, and reliable power. Operating the electric utility in a sustainable manner is key to long-term success to the individuals, businesses, and communities we serve."

-Arthur Miller  
Chugach CEO

# SUSTAINABLE CHUGACH



Sustainability is Chugach's business management philosophy and an integral part of the cooperative. Guided by Chugach's vision to responsibly develop energy resources to build a clean, sustainable future, Chugach carries out its mission to provide safe, reliable, and affordable electricity through superior service and sustainable practices.

Chugach approaches sustainability using the triple bottom line framework of serving the planet (environment), the people (social), and the overall performance (governance) of the organization.

Operating the electric utility in a sustainable manner is important to the long-term success of Chugach, to the health and well-being of its employees and members, the community, and the environment.

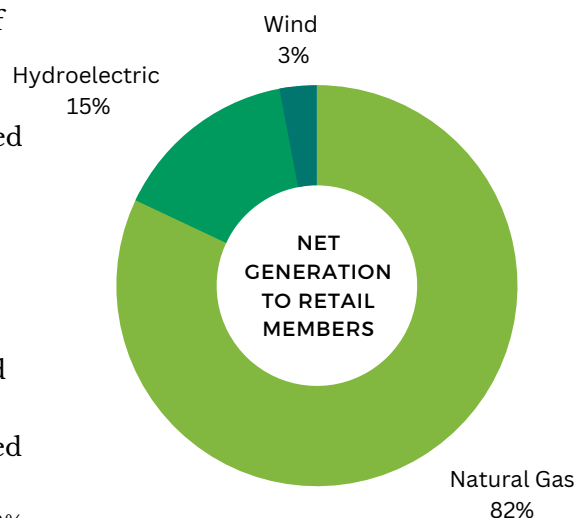
This document serves as Chugach's voluntary 2022 Sustainability Report. Chugach has also completed Edison Electric Institutes' template for Environmental, Social and Governance (ESG) reporting, see Appendix A.

*a year's overview*

# PLANET - ENVIRONMENTAL STEWARDSHIP

## GENERATION MIX

Chugach's goal is to deliver safe, reliable power at affordable rates. At the end of December 2022, Chugach had 790.7 megawatts of capacity, using winter capacity ratings. Chugach uses its owned generation to produce power for its members as well as to sell to other utilities along the Railbelt electric grid. Chugach also purchases power for its members from the Bradley Lake Hydroelectric Project near Homer, and from the Fire Island Wind Project. In 2022, Chugach members were delivered electricity with a generation mix of about 82% natural gas, 15% hydro, and 3% wind.



Chugach is one of the few electric utilities in the nation with direct ownership of a natural gas field. The Beluga River Unit gas field provides a significant source of energy for Chugach and continues to support lower electric rates and value to its members. With a diminishing natural gas supply in the Cook Inlet, the Chugach Board of Directors is taking a close look at how Chugach could further diversify its generation mix, while reducing its carbon footprint and keeping rates low.

## RENEWABLE ENERGY

Chugach is advancing toward its goal of adding 100,000 megawatt hours of renewable energy to its energy portfolio by the end of the first quarter 2025. Key to that effort is the evaluation of utility scale renewable projects, including a large wind project and a large solar project, both of which were proposed by Independent Power Producers. Feasibility and system impact studies began in 2022 and are evaluating the technical and economic aspects of the projects to ensure safe, reliable, and cost-effective operation of the Chugach system. Results of the Interconnection and Integration studies are expected to be announced in 2023.

Several other internal projects and technical studies are helping Chugach to optimize the operation of existing assets and enhance capabilities to integrate new renewable energy projects. Chugach is pursuing proven technologies that can improve reliability and quality of service to our members, including the procurement of a Tesla Megapack battery energy storage system that will be delivered in 2023 and commissioned in 2024. Chugach is also evaluating and pursuing funding opportunities from the U.S. Department of Energy for innovative long-duration energy storage, modern protection and control systems, carbon-capture technology, and others. Chugach is developing partnerships with other utilities, Alaska Native corporations, and public and private organizations to enhance the benefit of these technological advancements for all Alaskans.

Chugach and the Alaska Energy Authority (AEA) signed a memorandum of agreement (MOA) regarding the \$1,000,000 grant award to Chugach on behalf of the Bradley Lake Management Committee (BPMC). The MOA creates an efficient process for AEA to manage the grant tasks for various engineering and environmental contracts and report to the BPMC. The MOA also focuses the work on refining the engineering project cost estimate and the gross water flow volume to better understand the potential project economics. This ensures the project is economically viable before expending resources on other required study components.

## ENERGY EFFICIENCY

In 2022, there were over 28,000 threshold notifications sent to members via the My Account member portal, to assist in managing electric usage. There were close to 150 new threshold settings created by members, nearly equal to the number of settings created in the three previous years combined. Additionally, members can create energy markers that allow them to set reminders for when they are on vacation, purchase new appliances, or take any action that may impact energy consumption.

Members also have available the Kill-a-Watt Meter Program, which allows them to borrow a Kill-a-Watt meter for up to two weeks. Close to 60 members borrowed a Kill-a-Watt meter in 2022, a 50% increase from the previous year. The Kill-a-Watt meter can be programmed with current utility rates, giving the member a way to identify how much energy specific appliances in their home consume in a specific time frame. Knowing how energy is being used empowers members to make informed decisions in how they use energy going forward.



# 18%

OF POWER GENERATED FOR  
CHUGACH'S RETAIL MEMBERS WAS  
FROM WIND AND HYDROELECTRIC  
RESOURCES

# CARBON REDUCTION GOAL

In 2022, the Strategic Plan identified a goal of reducing Chugach's carbon intensity, from a 2012 baseline year, by at least 35% by 2030, and by at least 50% by 2040, provided there is not a negative material impact to electric rates.

## AT LEAST

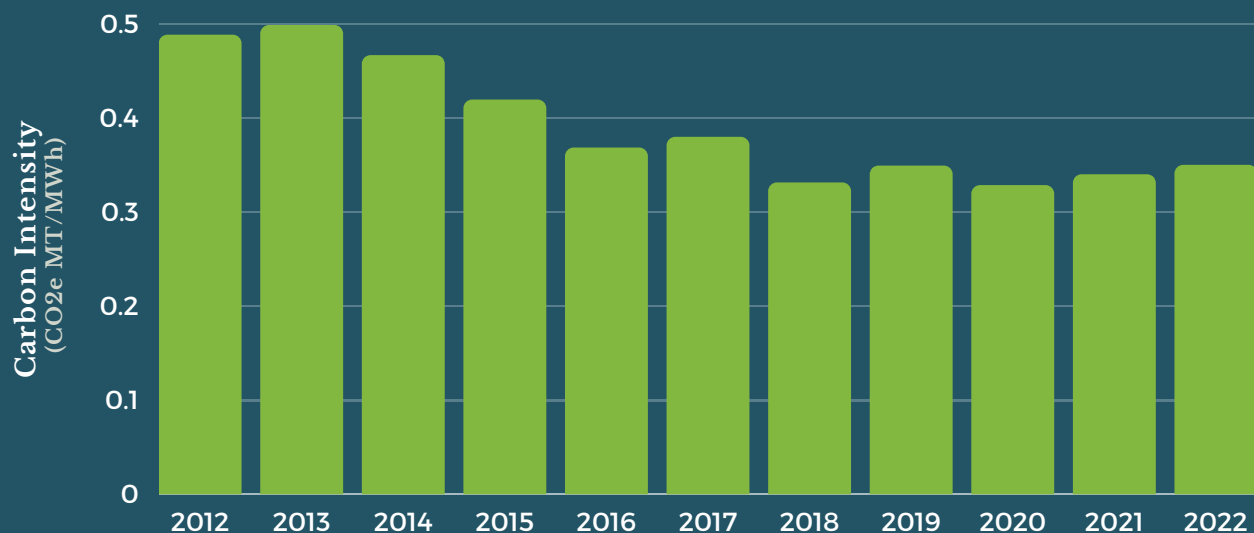
### 35%

*reduction by 2030*

### 50%

*reduction by 2040*

## FROM A 2012 BASELINE



## DECARBONIZATION

From 2012 through 2022, Chugach has seen a 53% reduction in its carbon emissions (CO<sub>2</sub>e) from its owned-generation. During this same time, Chugach has seen a 28% reduction in its carbon intensity (CO<sub>2</sub>e MT/MWh), the measure of the net generation to retail members, which includes purchased power and removes generation sold to other electric Railbelt utilities.

Reducing carbon emissions and diversifying the portfolio of energy resources are key priorities for Chugach. Chugach established an internal decarbonization working group which is responsible for developing an action plan to reduce Chugach's carbon emissions. The plan also includes lowering the communities' emissions through advancing beneficial electrification by supporting electric vehicles and charging infrastructure, and providing education on electric tools and equipment, and electric heating and cooling.

## LOWERING CHUGACH CARBON EMISSIONS

---

Chugach has decreased its carbon intensity 28% from the 2012 baseline year. Chugach's carbon intensity increased slightly from 2021, due to 2022 constraints on hydro resources, burning end of life diesel, and using a less efficient "peaking" generator to support reliability during high load conditions.

## LOWERING RAILBELT CARBON EMISSIONS

---

Chugach and Matanuska Electric Association, Inc. (MEA) have been collaborating in a joint project to produce power more efficiently through economic modeling. In 2022, this effort resulted in power sales to MEA from Chugach's most efficient base loading generation, which means that MEA did not produce that power from less efficient generation. This pooling effort results in less emissions from the Railbelt electric grid. Through more efficient economic modeling software, there are even more improvements that could be seen in the future.

## LOWERING MEMBERS' CARBON FOOTPRINT

---

Renewable Energy Certificates (RECs) are issued when one megawatt-hour (MWh) of electricity is generated and delivered to the electric grid from a verified renewable energy resource. RECs play an important role in accounting, tracking, and assigning ownership to renewable generation and use. RECs are a market-based commodity. Chugach offers RECs from the Fire Island Wind Project to its large commercial members as part of the REC sale pilot program. The program was designed to provide clean, Alaska energy to those who want to reduce their carbon footprint and meet renewable and clean energy goals without the upfront cost of installing on-site equipment.



# BENEFICIAL ELECTRIFICATION

Chugach supports strategies for beneficial electrification, which are activities that replace direct fossil fuel use with lower emission electricity. Chugach encourages the use of electric vehicles and supports the advancement and use of electric tools and equipment, and electric heating and cooling.

## REDUCES ENERGY COSTS

Electricity is often less expensive than alternative fuel

## REDUCES CARBON EMISSIONS

Electricity is cleaner than on-site fossil fuel

## IMPROVES QUALITY OF LIFE

Electric equipment is quieter, compact, and low-maintenance



## ELECTRIC TOOLS AND DEVICES

Chugach encourages members to make the switch from on-site fossil fuel powered to electric powered equipment, tools and devices. Innovations in energy technology are creating new ways to use electric powered equipment and home devices, from snowblowers to stoves. The switch reduces energy costs, emissions, and improves quality of life.

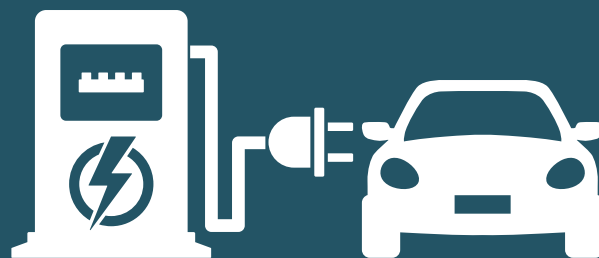


## ELECTRIC HEATING AND COOLING

Chugach supports the adoption of electric heat pumps by its members. Heat pumps, including air-source and ground-source, are most beneficial to members who do not have access to natural gas service or are interested in reducing their carbon emissions. Heat pumps are proven technology that can reduce carbon emissions by 20-30% compared to natural gas heat and 35-45% compared to fuel oil.



# ELECTRIC VEHICLES

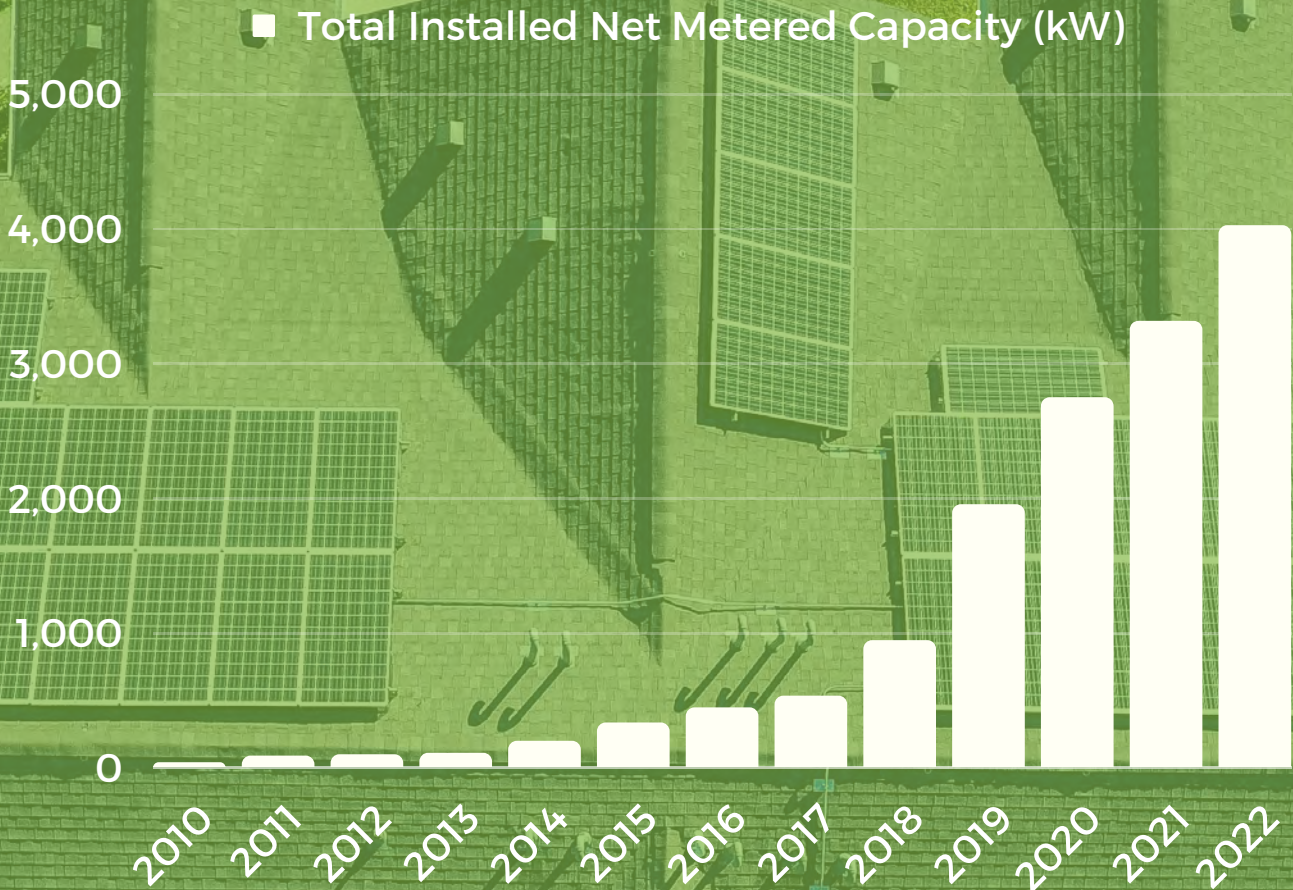


The transition to electric vehicles (EVs) is a significant component of Beneficial Electrification and Chugach has supported reducing the barriers to EV adoption in Alaska. Chugach worked with the Regulatory Commission of Alaska (RCA) and other Railbelt electric utilities to adopt an EV tariff that includes rates and rules to enable high speed charging networks across the state. Chugach received approval from the RCA in 2022 and has continued to support the installation of DC fast chargers within its service area in Southcentral Alaska.

Chugach actively monitors the pace of EV adoption throughout Alaska to inform its action supporting EV growth. At the end of 2022, nearly 2,400 EVs were registered in Alaska, over 40% of which were in the Chugach service area. This number of EVs charging on the Chugach system is growing rapidly and is up more than 55% year over year. The current number of EVs use an estimated 2,600 MWh per year, equivalent to the energy use of more than 400 households.



Chugach also offers incentives for members to support their transition to electrified transportation, including programs for Residential Level 2, Commercial Level 2, and Commercial Level 3 (DC) EV charging. These programs for residential and public charging help to reduce the cost of deploying charging infrastructure and provide insight into EV electricity use and charging behavior that will help inform long-range resource planning and infrastructure investments.



## NET METERING

Net metering allows members to install renewable generation at their home or business to offset monthly usage and sell excess power to Chugach. Eligible generation includes solar, wind, hydroelectric, geothermal, hydrokinetic, ocean thermal, biomass and other sources approved by the Regulatory Commission of Alaska (RCA). The generation nameplate capacity must be 25 kW or less per metered location. In 2022, the RCA approved Chugach's request to increase the net metering cap from 1.5% to 5%. This increase will reduce carbon emissions, reduce natural gas usage, and support local workforce development and jobs in renewable energy. At the end of the year, more than 780 members used the net metering program, an 18% increase of net metering members since 2021.

## EKLUTNA HYDROELECTRIC PROJECT

---

The owners of the Eklutna Hydroelectric Project are in year five of a six-year effort to study the impacts of the project and develop measures to protect, mitigate damages to, and enhance fish and wildlife.

Chugach and the other project owners, the Municipality of Anchorage and Matanuska Electric Association, are undergoing the consultations and study process required by the 1991 Fish and Wildlife Agreement which is tied to the purchase of the project from the federal government.

In 2022, the owners continued collaboration with multiple stakeholders to develop Year 2 study plans and initiated the second year of field studies. All draft Fish & Wildlife study reports are to be released by the end of second quarter 2023 and the draft program will be issued in fourth quarter 2023. The final Fish & Wildlife program will be delivered to the governor for a decision in second quarter 2024.

## SUSTAINABILITY COMMITTEE

---

After nearly a year of working together, Chugach's employee-led Sustainability Committee presented eight action items for consideration to the executive team. Each action item fit within one of the committee's defined sustainability themes: Waste, Greenhouse Gas Emissions, Skilled Workforce, Energy, and Community and Diversity. The proposed action items were well received and the team prioritized the projects to work on over the next few years. Projects range from creating a campus recycling map to developing a flexible work from home policy. One action item that was completed in 2022, was conducting an energy audit of Chugach's headquarters building. The energy audit will provide Chugach with ways to reduce energy consumption with both low cost solutions and capital projects.



*a year's overview*

# PEOPLE - SOCIAL STEWARDSHIP



## EMPLOYEES

Chugach's approximately 430 employees all live and work in Alaska.

Chugach is moving forward with combining all employees on One Campus by 2025. It will allow Chugach to realize additional efficiency and will also lead to increased productivity, safety, reliability and security. Most importantly, it continues to unify the cultures between the two legacy organizations.

**75%**

of Chugach employees are union represented

**31%**

of Chugach employees are women

**22%**

of Chugach employees identify as a minority

**100%**

of Chugach employees are full time employees

## SAFETY

2022 was another strong year in safety for Chugach. Chugach's lost time rate of .98 was below the industry standard of 1.0 and its injury rate of 2.71 was below the State of Alaska average of 3.9 for sector 2211, Electric Power Generation, Transmission and Distribution. While numbers are important for measuring, Chugach knows it is the employees' professional attitudes and commitment to safety that keep everyone safe at work.

Chugach continues to be mindful of its safety culture and being attentive to those elements that shape it. Ongoing efforts that give visible evidence to safety/culture include the type of language used to talk about safety, monthly joint-safety committee meetings, setting actionable goals for continuous improvement, and the degree to which one can detect safety in daily workplace communications. Training is also an important part of Chugach's safety program that included avalanche companion rescue, active shooter, first aid, lineman safe work practices, and wildlife safety.



## LEADERSHIP DEVELOPMENT

Chugach offered its employees the opportunity to lead the way for more productive and engaging conversations. A group of employees participated in a Fierce Conversations® workshop, which teaches attendees how to ignite productive dialogue that interrogates reality, provokes learning, resolves tough challenges and enriches relationships. Having a conversation is the place to begin the cornerstone of great leadership.

## DIVERSITY AND INCLUSION

It is a policy of Chugach, to recruit, hire, train, promotes and compensate persons without regard to race, color, religion, national origin, sex, marital status, pregnancy, parenthood, physical or mental disability, veteran's status, age or any other classification protected by applicable federal, state or local law.

# MEMBER ENGAGEMENT

Chugach values member engagement and interaction. In 2022, Chugach hosted several member events to show member appreciation, celebrate the advancement of electric vehicles, provide energy efficiency insights, and continue to foster strong relationships with large commercial members.

## Member Appreciation Day

Chugach combined its annual meeting and member appreciation event, successfully bringing hundreds together to enjoy the sunny weather and festivities. Members took bucket truck rides, power plant tours, and played lawn games. Food was served, and members learned about Chugach and community services, energy efficiency and conservation, electric vehicles, and even zoomed around on e-bikes.



## Arctic Road Rally

Chugach was pleased to host a pre-event celebration for the historic Arctic Road Rally, which saw 10 EVs successfully drive from Fairbanks to the Arctic Ocean. Upwards of 70 supporters, organizers and participants came to the Chugach campus to hear the details of the rally and get a first-hand look at some of the newest EVs on the market.

## Efficient Fridays

As part of National Cooperative and Energy Awareness month, Chugach hosted Efficient Fridays in the Chugach lobby every Friday in October. Members were invited to visit the Chugach lobby for the opportunity to learn more about electric vehicles, renewable energy, beneficial electrification, and Chugach's commitment to sustainability.



## Key Member Summit

In 2022, Chugach held its first in-person Key Member Summit. Representatives from many of Chugach's key accounts came to hear updates on several aspects of Chugach's business, including upcoming engineering projects and ways to lower their carbon emissions. Fostering strong relationships with larger commercial accounts is an important part of delivering reliable, affordable power.

# MEMBER COMMITTEES

## MEMBER ADVISORY COUNCIL (MAC)

In 2022, the Member Advisory Council (MAC) was revitalized. Per the Chugach Bylaws, an ad hoc committee can be appointed to advise the Board on issues impacting the utility. The committee discussed topics including Chugach's role in a renewable energy future and how to increase voter turnout in the annual election. MAC members serve one-year terms.

## ELECTION COMMITTEE

The Board appoints members to an election committee, comprised of not less than five nor more than thirteen members. The election committee is responsible for updating election procedures, selecting a master election judge, and recommending a date of record. After voting begins, the committee monitors the work of the election administrator and makes determinations in the event of questioned ballots.

## NOMINATING COMMITTEE

Members are welcome to apply to the Board appointed Nominating Committee, comprised of not less than five nor more than seven members. The Nominating Committee shall seek qualified candidates, as well as screen potential nominees, keeping in mind geographical representation, shall approve, prepare and post the Slate of Candidates. Any 50 or more members, acting together, may make other nominations by petition.

## BYLAWS COMMITTEE

The Board appoints not less than five nor more than seven members to the Bylaws Committee. The committee shall review the bylaws of the Association, consider any recommendations for revisions thereof which may be made by the board of directors or any member, and report their recommendations concerning the bylaws to the annual membership meeting.

# ENERGY EDUCATION

## SAFETY CITY

To teach students about electrical safety, Chugach's safety team visits elementary schools throughout the year. The centerpiece of the presentation is the Safety City model used to demonstrate a variety of contact hazards associated with overhead and underground service. Objectives of the lessons include why electricity is important, how electricity is made, and how to be safe around electricity.

## POWER PLEDGE CHALLENGE

In 2022, more than 1,200 students from 22 schools across Alaska participated in the Power Pledge Challenge (PPC), an initiative aimed at helping youth better understand energy use. Winning projects earned power plant tours and pizza. In 2013, Chugach partnered with Renewable Energy Alaska Project (REAP) and Alaska Energy Authority (AEA) to start the energy challenge for middle school students. Today, with 11 partners, reaching eight regions of the state, PPC has reached nearly 20,000 kindergartens through 12th grade students.



Chugach staff taught students about the electric utility industry as part of the YWCA Alaska Energy Camp. The group, who learned about energy efficiency, careers, and safety, got an inside look of the Sullivan Power Plant.

A local chapter of National Society of Black Engineers Jr. (NSBE Jr.) spoke with Chugach staff about conservation, energy efficiency and sustainability. The NSBE Jr. members, who range from grades 3 to 10, also learned about different types of engineers needed to run a power plant.



## EDUCATING COMMUNITY GROUPS

---

Chugach receives various requests throughout the year to deliver presentations and conduct workshops with community groups. The Anchorage International Rotary, local Community Councils, Resource Development Council Conference, NWPPA Northwest Innovations in Communications Conference, Southcentral Alaska Utility Association's Safe Digging Conference, and the Building Owners and Managers Association are just a few examples of who received a presentation or workshop for their group from Chugach in 2022.

## PROVIDING ENERGY RESOURCES

---

Chugach participates in community events that enables staff to answer member questions and provide them with various energy resources. For instance, Chugach hosted a booth at the "Urban Harvest: Home Energy Efficiency," a free in-person hands on workshop in which community members learned about energy efficiency tips and were invited to check out Kill-a-Watt meters.

## TEACHING UTILITY ARBORICULTURE

---

Chugach has been a Tree Line USA utility since 1999, planting a tree at a different school each year as part of our commitment to give back to the community and educate members about the benefits of trees. In 2022, a class at Ocean View Elementary School helped plant an apple tree as part of Chugach's Tree Line USA commitment. Representatives from a community nursery and tree expert company spoke with the students about the importance of trees and urban forests.



# CHUGACH IN THE COMMUNITY

As a member-owned cooperative, Chugach is of the community, by the community, and for the community. Chugach is grateful for supportive members that have enabled the cooperative to be what it is today. In return, Chugach values the opportunities that give back to its members through community outreach and engagement.



## CELEBRATING ALASKA TRADITIONS

The annual Fur Rendezvous got a boost from Chugach in helping kick off the 10-day winter festival. To celebrate the traditional event, a heavy crew stepped in to hang the Fur Roundy banner across downtown's 4th Avenue.



## PARADING ACROSS COOK INLET

Chugach's Beluga Power Plant crew celebrated the Fourth of July with locals from Beluga and Tyonek. Festivities included a picnic and small parade at the plant on the western side of Cook Inlet.



## FILLING UP PANTRIES

A long-standing tradition at Chugach is to connect with its members during the holiday season. This kicks off with its annual giving of 450 turkeys throughout the Chugach service area. In 2022, 10 local non-profits received the donations.



## BRIGHTENING UP THE HOLIDAYS

Chugach crews went downtown to help brighten up the holidays with the annual lighting of trees in Town Square Park. Chugach works with the Anchorage Downtown Partnership and the Municipality of Anchorage's Parks and Recreation Department to make the park festive for the holidays.



## COMMUNITY MEMBERSHIPS

Chugach holds memberships with various organizations throughout the community. Being an active participant in the community enhances Chugach's relationships with all its members. Below are examples of organizations in which Chugach is a member.

- Alaska Electric Vehicle Working Group
- Alaska Energy Efficiency Partnership Group
- Alaska Wind Working Group
- Alaska Power Association
- Alaska State Chamber of Commerce
- Anchorage Chamber of Commerce
- Anchorage Economic Development Corporation
- Anchorage Home Builders Association
- Building Owners and Managers Association
- Cook Inlet Tidal Power
- National G&T Managers Association
- National Rural Electric Cooperative Association
- Northwest Public Power Association
- Renewable Energy Alaska Project
- Resource Development Council
- Southcentral Alaska Utility Association

# EMPLOYEE GIVING

Chugach employees support the community in which they live, work, and play. Employees give back to the community through giving their time and donations.



The 2022 Alaska Heart Run & Walk included a Chugach team that raised over \$1,400. The event aims to boost physical and emotional health, connect community members, and raise money to defeat heart disease and stroke.



Employees participated in the Anchorage Chamber Citywide Cleanup. Employees grabbed gloves, safety vests, grabbers, and safety glasses, and picked up trash throughout its campus and surrounding areas.



Chugach's employee team, High Voltage, raised over \$1,300 for breast cancer awareness, research, and support programs participating in the 2022 Alaska Run for Women.



Employees came through in a big way for the 2022 United Way campaign. Over the course of the three-week effort, Chugach employees raised just over \$24,000 for United Way.



Chugach sponsored a Salvation Army Angel Tree in which employees provided new clothing and toys for local children in need during the holidays.



Chugach employees teamed up for the Out of the Darkness Anchorage walk and raised over \$1,500 for suicide prevention.



The Salvation Army's Red Kettle program, a tradition known around the world, directly benefits those in the local community. Chugach employees volunteered to ring the bell, and raised nearly \$2,000 in total during their kettle time.



## EMPLOYEE VOLUNTEER PROGRAM

---

Chugach's Employee Volunteer Program (EVP) gives full-time employees 16 hours a year to volunteer at a local non-profit during normal work hours. In 2022, employees volunteered more than 70 hours at seven different community organizations. The Food Bank of Alaska, Challenge Alaska, and the Anchorage Running Club are just a few of the organizations Chugach employees volunteered at through the program.

## EMPLOYEE MATCH PROGRAM

---

Chugach matches regular employee cash contributions to qualifying organizations up to a maximum of \$100 per employee per year. Qualifying organizations must have a current 501(c)(3) designation. Chugach uses a third-party organization (Pick-Click-Give or United Way) to qualify and facilitate the matching contribution. In 2022, Chugach matched more than \$4,600, 2.5 times more than the previous year.

## ENERGY ASSISTANCE PROGRAM

---

Chugach partners with the Municipality of Anchorage Aging and Disability Resource Center to offer temporary payment support for disabled, elderly, and low-income members. In 2022, about \$119,000 was distributed to Chugach members through this program.



# 16

HOURS A YEAR ARE AVAILABLE TO EMPLOYEES TO VOLUNTEER AT A LOCAL NON-PROFIT

*a year's overview*

# PERFORMANCE- GOVERNANCE

Chugach's commitment to provide members with safe, reliable, and affordable electricity is backed by the Chugach Board of Directors. This seven-person member-selected board sets policy and provides direction to Chugach's Chief Executive Officer. Directors are elected to staggered four-year terms in conjunction with the annual meeting each Spring.

Every year, the Strategic Plan is reviewed by the board to ensure validity, determine attainable and realistic goals, and complete a gap analysis to trend targets that measure success for reliable power, grid resiliency, fuel stability, aging infrastructure, and diversification of resources.

## CHUGACH'S STRATEGIC PRIORITIES



**SAFETY**



**INTEGRATION  
SYNERGIES & COST  
SAVINGS**



**COMMUNICATIONS, MEMBER  
ENGAGEMENT & COMMUNITY  
INVOLVEMENT**



**BUSINESS PLANNING &  
ECONOMIC DEVELOPMENT**



**LEADERSHIP,  
MANAGEMENT &  
EMPLOYEE DEVELOPMENT**



**DECARBONIZATION**



**NATURAL GAS SUPPLY**

## 2022 BOARD OF DIRECTORS

The management of the business and the affairs of Chugach shall be vested in the member-elected board of directors who shall exercise all of the powers of Chugach, except such as are by law, the articles of incorporation, or the bylaws conferred upon or reserved to the members.

Directors participate in continued education certification courses hosted through the National Rural Electric Cooperative Association (NRECA). This extensive certification program consists of a series of courses focusing in greater depth on specific industry and governance topics. These include topics such as risk management, power supply, parliamentary procedure, technology and policy development.



**HAROLD  
HOLLIS**

**ERIN  
WHITNEY**

**SAM  
CASON**

**BETTINA  
CHASTAIN**

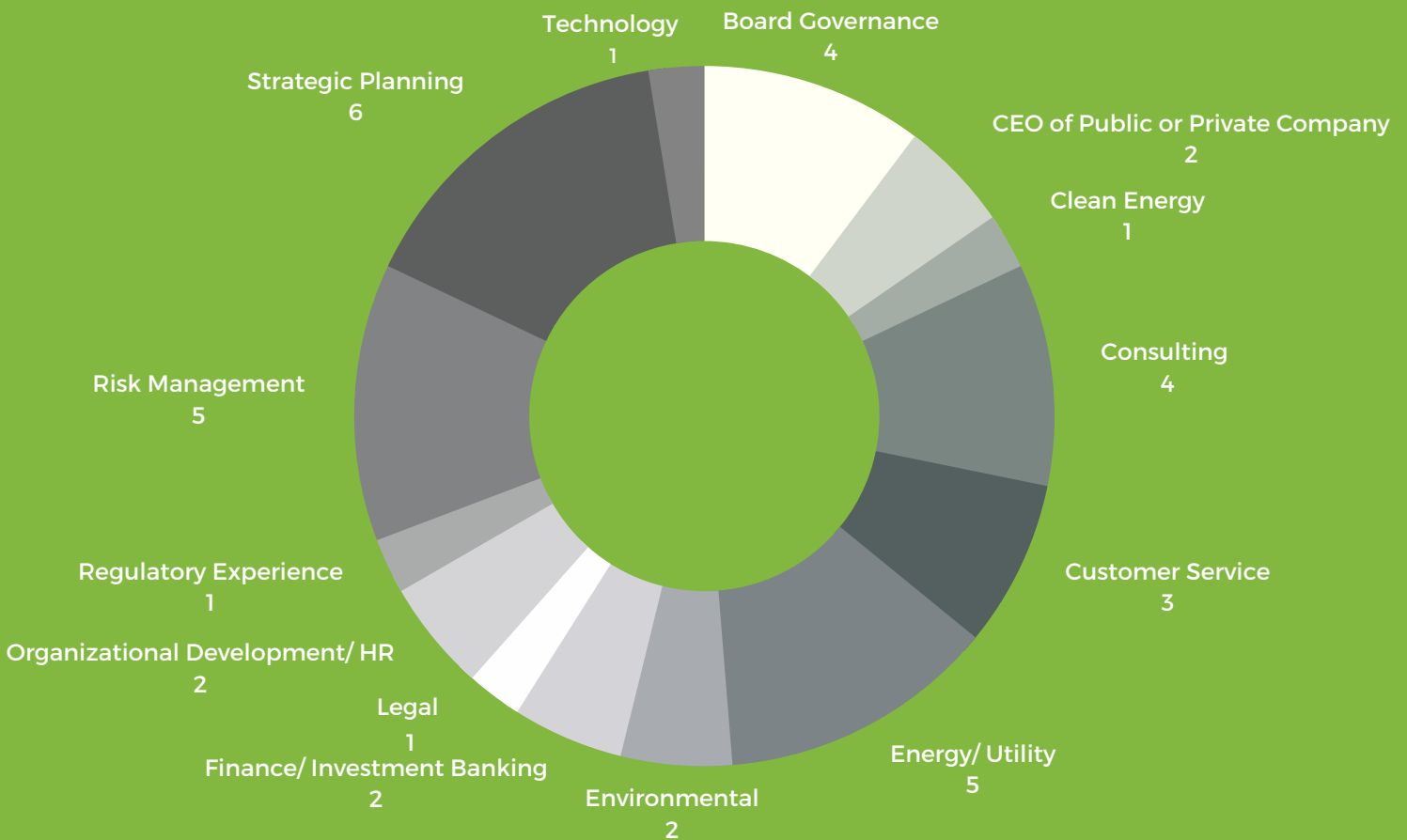
**MARK  
WIGGIN**

**RACHEL  
MORSE**

**SISI  
COOPER**

# BOARD OVERVIEW

The board is elected by members to represent their concerns and viewpoints. Members choose directors who bring a balance of relevant skills to the boardroom, as well as an effective mix of diversity and experience. The following graph sets out a summary of director self-identified core competencies.



**57%**  
of the Board identifies as a woman

**5**  
Average Years Served on the Board

**57**  
Average Age of Board Directors

**14%**  
of the Board identifies as a minority



## ACQUISITION SAVINGS

---

On October 30, 2020, Chugach acquired substantially all of the assets of Municipal Light & Power (ML&P) from the Municipality of Anchorage, bringing Chugach's total asset value to \$1.8 billion, placing Chugach among the top cooperatives in the country. The acquisition brought approximately 200 new employees and 20,000 new members onto the Chugach system overnight.

Based on operating results through December 31, 2022, Chugach has realized a net cumulative savings of \$72.4 million as a result of its acquisition of ML&P. Significant savings are being realized through fuel cost reductions, personnel cost reduction, information technology, and other operating cost reductions including avoided intergovernmental charges.

## REGULATED UTILITY

---

Chugach is regulated by the Regulatory Commission of Alaska (RCA). As such, filings submitted, such as rate changes, are analyzed by their technical staff to ensure regulatory compliance and to balance the viability of Chugach's service with the needs of the members.

## TRANSPARENCY

---

Chugach has grown in size and complexity. Ensuring transparent governance is a fundamental element for its member-owners, government, stakeholders, and interested parties to maintain trust and progress. Chugach leadership, including management and directors, are responsible for the long-term vision and efficient operation of the association and member feedback is important.

Chugach benefits from open and transparent governance, and from engagement with members. Substantial time is spent providing oversight of Chugach's operations, communicating with members, and maintaining awareness of industry trends. Members are encouraged to attend board meetings, either in person or virtually, and stay informed and involved in the cooperative. The board is also available to members by phone and email.



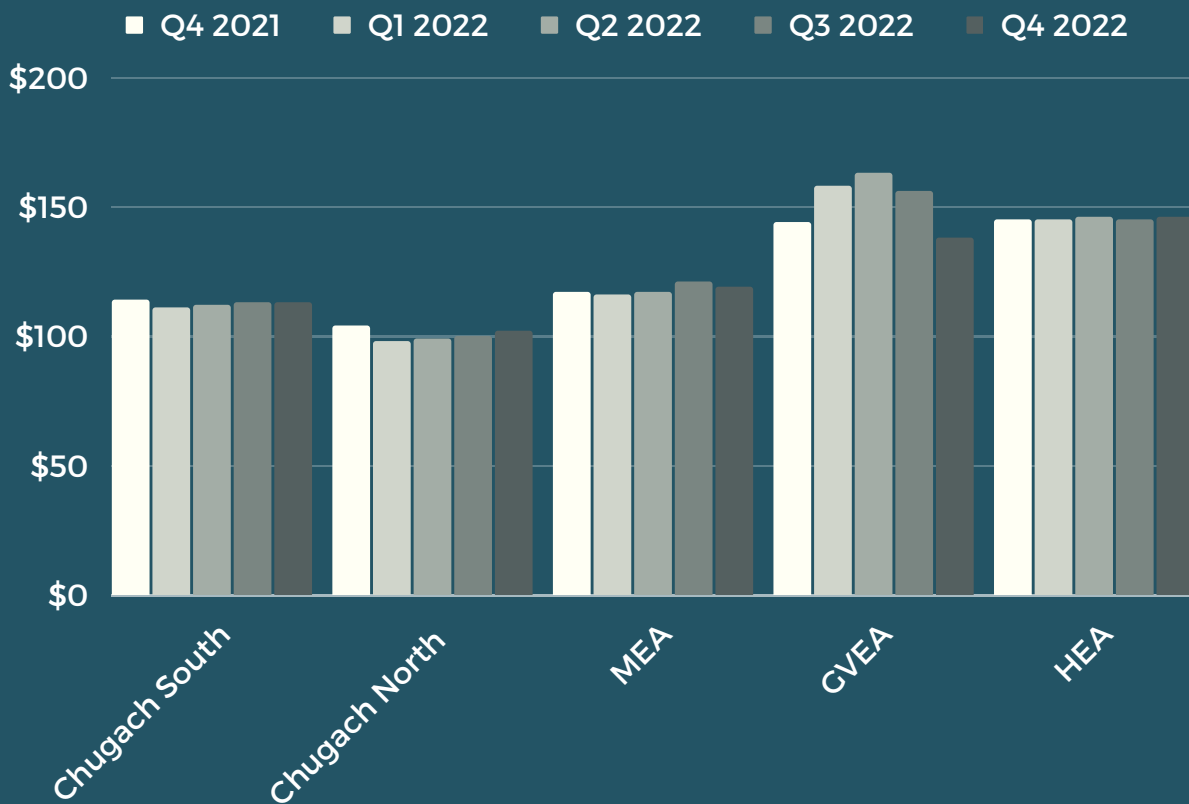
# OPERATIONAL EXCELLENCE

CHUGACH CONTINUES TO DELIVER EXCELLENCE IN PRICE, RELIABILITY, AND QUALITY OF CUSTOMER SERVICE.

## PRICE

At the end of 2022, Chugach’s residential, small and large commercial bill levels were the lowest among the Railbelt utilities. The graph below illustrates Railbelt utility residential bill levels from the end of 2021 through 2022.

### AVERAGE RESIDENTIAL TOTAL BILL

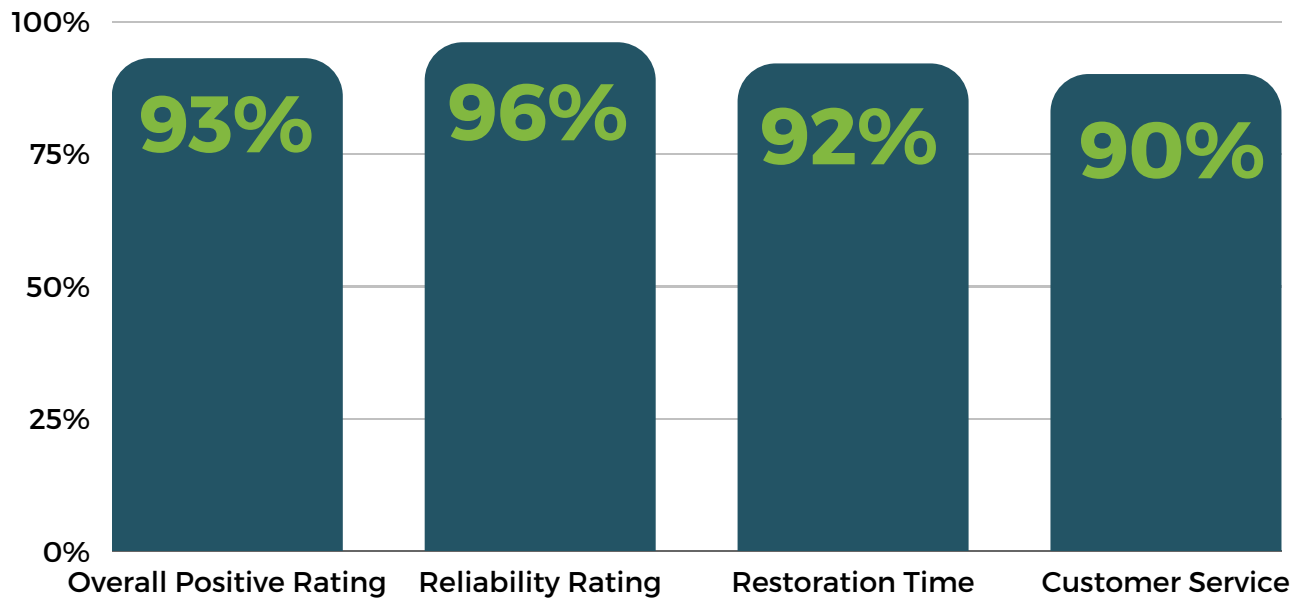


## RELIABILITY

The Alaska electric grid is unique in that it is not connected to any other electric grids, unlike the lower 48 electric grid. Because the Alaska grid is independent, it has to be much more reliable. In 2022, Chugach had a reliability rating of 99.97% and members on average experienced 2.51 hours without power.

# MEMBER SATISFACTION

## 2022 MEMBER SURVEY RATING RESULTS



Each year, Chugach reaches out to its members to gather valuable member feedback. In 2022, over 500 members were surveyed for the annual member satisfaction survey. Results show the vast majority of Chugach members are very satisfied with their overall service.

In general, Chugach continues to be very favorably viewed by its members. Members are extremely satisfied with the utility overall, reliability, customer service, and the restoration time. Reliability remains the member priority as it has since Chugach started tracking in 1995.

"You folks have always given us excellent and prompt service. We are grateful for any and all your efforts on our, and everyone's, behalf. Thank you!"

"The service was great and extremely quick. Thank you all."

"Thank you for providing services for me and my family at my address. Services provided made our home comforting and enjoyable."

## BUSINESS DEVELOPMENT

---

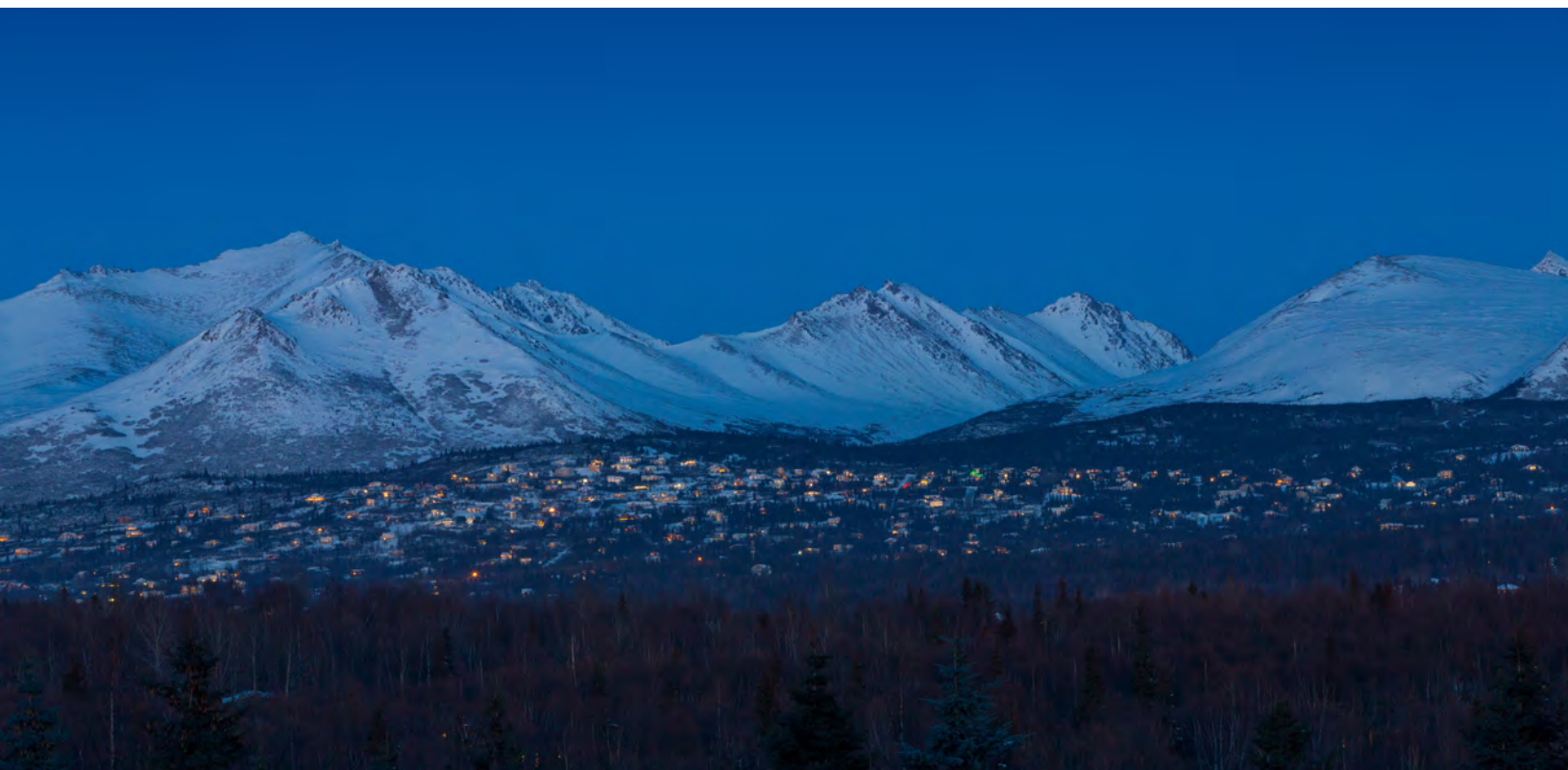
Chugach experienced moderate load growth in 2022, with measured billed demand up approximately 1.82% over 2021. Several large commercial redevelopment projects, in addition to new construction, continue to modernize structures within the service area. Although the number of metered locations increased by about 0.22%, total energy sales for 2022 declined approximately 0.97%. This trend may continue for the near future as rapid gains in energy efficiency continue to outpace the rise of new loads resulting from beneficial electrification of homes, commercial buildings, and vehicles. Chugach is working to intelligently design rates to support beneficial growth that can improve system efficiency and maintain a low cost of electricity to Chugach members.

## CYBERSECURITY

---

Cybersecurity is a key component in maintaining a reliable and healthy power grid, Chugach routinely collaborates and coordinates with peer utilities, industry partners, government agencies, and security organizations. We have a highly trained incident response team that utilizes the top technologies for monitoring and defending the company against intentional and unintentional cyberattacks.

To further strengthen our defenses Chugach is a front runner in maintaining and developing critical infrastructure standards. A great effort was made in collaboration with all Railbelt utilities to develop an Alaska Critical Infrastructure standard that is a counter part to the North American Electric Reliability Corporation's critical infrastructure plan. Chugach is dedicated to maintain and exceed these standards through the implementation of state of the art monitoring and mitigation technologies and training.



# APPENDIX A

# Sustainability Quantitative Information

## ESG Metrics - EEl industry template

Portfolio	2021	2022
<b>Owned Nameplate Generation Capacity at end of year (MW)<sup>1</sup></b>		
Coal	0	0
Natural Gas	759.8	759.8
Nuclear	0	0
Petroleum	0	0
Other		
Biomass/Biogas	0	0
Geothermal	0	0
Hydroelectric	30.9	30.9
Solar	0	0
Wind	0	0
<b>Owned Net Generation for the data year (MWh)</b>		
Coal	0	0
Natural Gas	1,810,542	2,045,389
Nuclear	0	0
Petroleum	0	0
Other		
Biomass/Biogas	0	0
Geothermal	0	0
Hydroelectric	117,025	89,933
Solar	0	0
Wind	0	0
<b>Retail Electric Accounts (at end of year)</b>		
Large Commercial	2,353	2,465
Small Commercial	13,781	13,745
Residential	96,703	96,873
Streetlights	Not Reported	167

<sup>1</sup> Total System Winter Capacity Rating (MW @ 30° F) net of mothballed units. The Eklutna Hydroelectric Project is jointly owned by the Municipality of Anchorage, Chugach and MEA. The capacity shown is Chugach's ownership share.

# DRAFT

Emissions	2021	2022
<b>GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)</b>		
<b>Owned Generation</b>		
Carbon Dioxide (CO2)		
Total Owned Generation CO2 Emissions (MT)	756,339	861,469
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.3924	0.4046
Carbon Dioxide Equivalent (CO2e)		
Total Owned Generation CO2e Emissions (MT)	757,151	862,401
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.3928	0.4050
<b>Non-Generation CO2e Emissions of Sulfur Hexafluoride (SF6)</b>		
Total CO2e emissions of SF6 (MT)	<i>Not Reported</i>	1,263
Leak rate of CO2e emissions of SF6 (MT/Net MWh)	<i>Not Reported</i>	0.0006
<b>Nitrogen Oxide (NOx)</b>		
Total NOx Emissions (MT)	0*	0
Total NOx Emissions Intensity (MT/Net MWh)	0.00	0.00
<b>Sulfur Dioxide (SO2)</b>		
Total SO2 Emissions (MT)	0	0
Total SO2 Emissions Intensity (MT/Net MWh)	0.00	0.00
Resources	2021	2022
<b>Human Resources</b>		
Total Number of Employees	448	432
Percentage of Women in Total Workforce	30%	31%
Percentage of Minorities in Total Workforce	23%	22%
Total Number on Board of Directors	7	7
Percentage of Women on Board of Directors	43%	57%
Employee Safety Metrics		
Recordable Incident Rate	2.77	2.71
Lost-time Rate	1.1	0.98
Days Away, Restricted, and Transfer (DART) Rate	1.58	1.72
Work-related Fatalities	0	0
<b>Fresh Water Resources used in Thermal Power Generation Activities</b>		
Water Withdrawals - Consumptive (Millions of Gallons)	Not Reported	100.5
Water Withdrawals - Non-Consumptive (Millions of Gallons)	Not Reported	0
Water Withdrawals - Consumptive Rate (Millions of Gallons/Net MWh)	Not Reported	5.06E-05
Water Withdrawals - Non-Consumptive Rate (Millions of Gallons/Net MWh)	Not Reported	0
<b>Waste Products</b>		
Amount of Hazardous Waste Manifested for Disposal	<1 MT	1.2 MT
Percent of Coal Combustion Products Beneficially Used	0%	0%

\*2021 correction made

DRAFT



EKLUTNA POWER PLANT  
ALASKA POWER ADMINISTRATION  
DEPARTMENT OF ENERGY





**CHUGACH ELECTRIC ASSOCIATION, INC.**  
**Anchorage, Alaska**

**REGULAR BOARD OF DIRECTORS' MEETING**  
**AGENDA ITEM SUMMARY**

**May 24, 2023**

**ACTION REQUIRED**

**AGENDA ITEM NO. VIII.A.**

- Information Only**
  - Motion**
  - Resolution**
  - Executive Session**
  - Other**
- 

**TOPIC**

Election of Officers:

- a. Chair of the Board
- b. Vice Chair of the Board
- c. Secretary of the Board
- d. Treasurer of the Board

**DISCUSSION**

The Bylaws, Article VI, Officers, Section 2, Election and Term of Office, provides that officers of the board are to be elected annually by and from the board of directors at the board meeting held immediately after the annual meeting of the members or as soon thereafter as conveniently possible. The election is to be conducted by open vote in such a manner that the members may know the vote of each director. Each officer shall hold office until the first meeting of the board of directors following the next succeeding annual meeting of the members, or until his or her successor is elected.

**NOMINATIONS**

Positions to be filled:

- 1. Chair of the Board
- 2. Vice Chair of the Board
- 3. Secretary of the Board
- 4. Treasurer of the Board

Nomination Instructions:

1. Take each position in turn.
2. The Chair states: “NOMINATIONS ARE NOW IN ORDER FOR THE POSITION OF BOARD CHAIR.”
3. Director nominations proceed one at a time as follows: “I NOMINATE \_\_\_\_\_.”
4. Nominations need not be seconded.
5. Chair states “\_\_\_\_\_ HAS BEEN NOMINATED. ARE THERE ANY FURTHER NOMINATIONS FOR BOARD CHAIR?”
6. Directors must first be recognized by the Chair before speaking in favor of any nominee.
7. Once all nominations are received, Board Chair closes nominations.
8. The Chair then proceeds with a roll call vote asking each director one at a time to declare their vote so it can be recorded in the Minutes.
9. If no nominee receives a majority vote, the Chair declares no election and the process is repeated.
10. The same process will be followed for the remaining positions to be filled.

**CHUGACH ELECTRIC ASSOCIATION, INC.**  
**Anchorage, Alaska**

**REGULAR BOARD OF DIRECTORS' MEETING**  
**AGENDA ITEM SUMMARY**

**May 24, 2023**

**ACTION REQUIRED**

**AGENDA ITEM NO. VIII.B.**

**Information Only**  
 **Motion**  
 **Resolution**  
 **Executive Session**  
 **Other**

---

**TOPIC**

Appointment of Alaska Power Association (APA) Member and Alternate Representatives

**DISCUSSION**

Board Policy 106, Director Duties and Standards of Conduct, Section III.H., states:

- H. Any Director appointed by the Board to serve as a Liaison or as a Representative of the Board to any member committee, trade or other organization, or to any third party or group (collectively, "Entity") shall:
1. Act solely within the scope of any direction provided by the Board and/or by the Board Chair either by resolution or otherwise.
  2. Provide adequate notice of important matters coming before the Entity and meaningful opportunities to provide guidance to the Board and the Chief Executive Officer.
  3. Represent the Association's best interest in all votes taken by the Entity.
  4. Keep the Association Board and management fully informed of all significant Entity activities.

**MOTION**

Move that the Board of Directors appoint \_\_\_\_\_ as the APA Member Representative and \_\_\_\_\_ as the Alternate Representative.

# CEA Strategic Planning Fuel Gas Supply Options

## CEA BV Study

Phase 1 update CEA standalone options

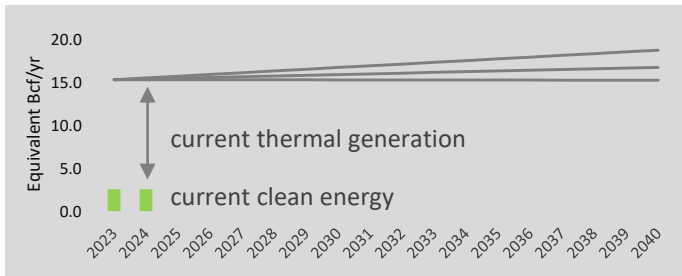
Phase 2 recommendation

May 24, 2023

# BV Phase 1

## Chugach Energy Budget Building Blocks

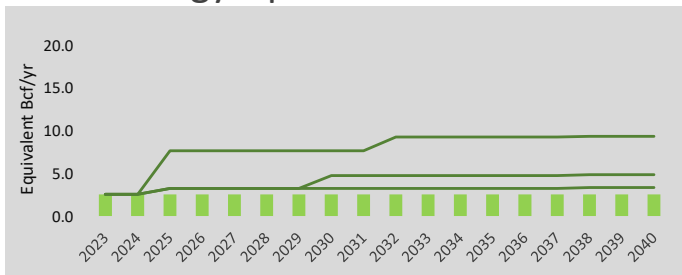
### Total Customer Demand



Scenario  
elevated  
moderate  
no growth

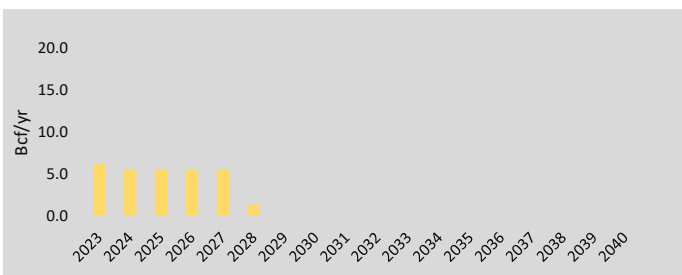
Example

### Clean Energy Uptake



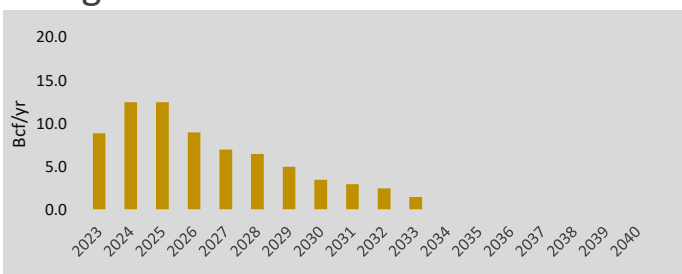
Scenario  
elevated  
2040 goal  
2025 goal  
current clean energy

### HAK Contracts



Scenario  
30 bcf remaining  
no extension

### Beluga River Unit



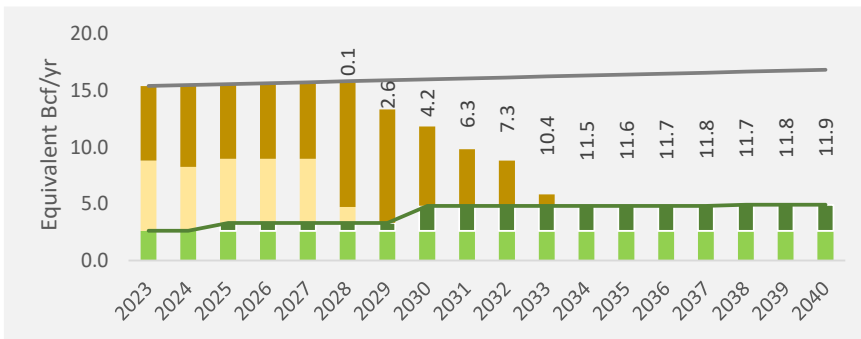
Scenario  
69 bcf expected  
+ % upside  
- % downside

# Chugach Energy Budget Planning Example

## Budget Scenario

demand growth moderate  
 clean energy uptake meet 2040 goal  
 cook inlet gas supply expected case

- existing contracts
- remaining BRU share, smoothing excess with storage

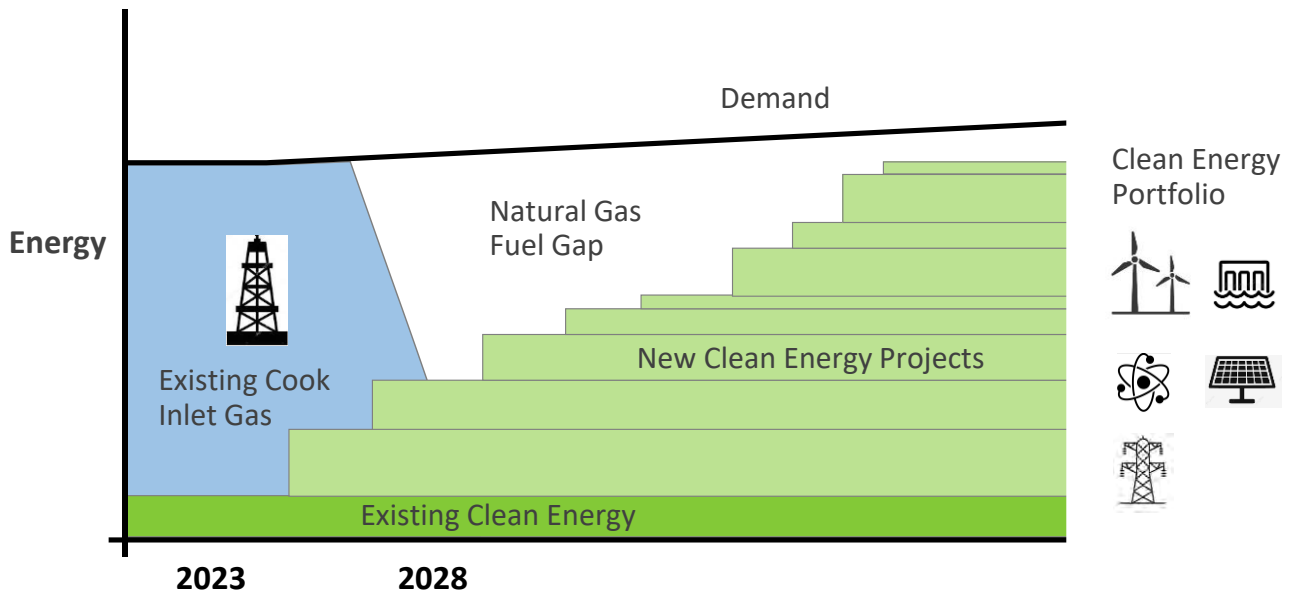


total energy demand

natural gas fuel gap  
bcf/y

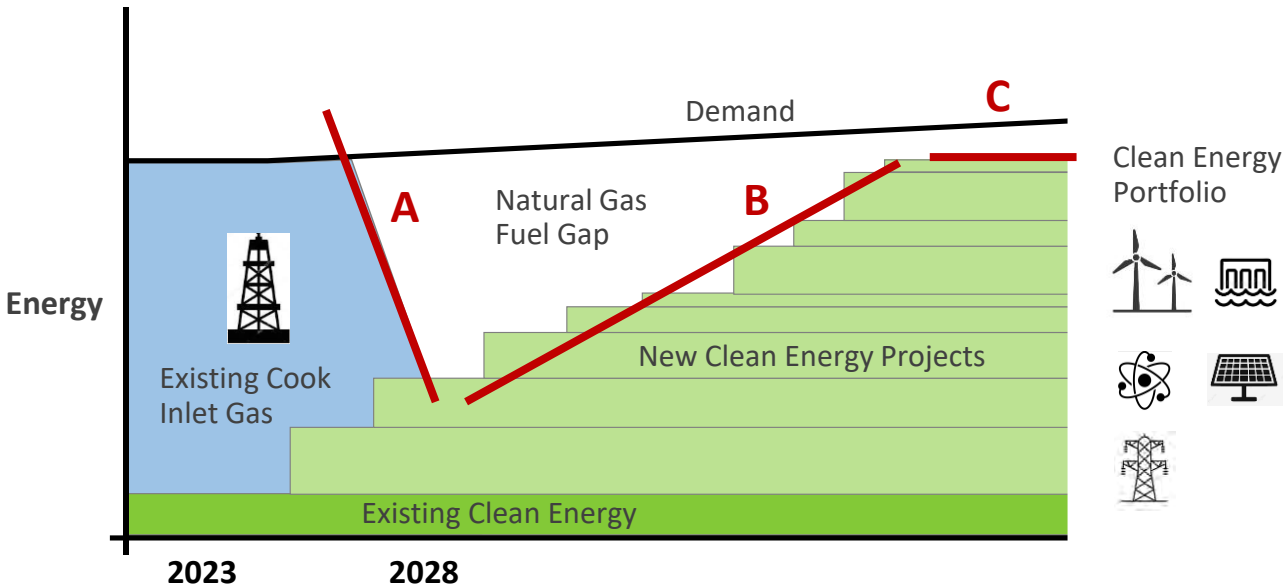
new clean energy  
current clean energy

# Chugach Natural Gas Fuel Gap Illustration



# Chugach Natural Gas Fuel Gap

## Key Characteristics



- A – how fast Cook Inlet is running out of gas
- B – how fast clean energy projects ramp up
- C – storage battery tail



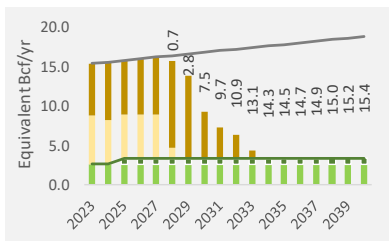
# Chugach Natural Gas Fuel Gap

## Range in size

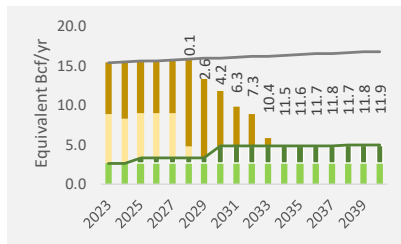
### 27 Chugach Energy Budget Scenarios

Demand		Beluga River Gas		Clean Energy Uptake
elevated	X	upside	X	elevated
moderate		expected case		2040 goal
no growth		downside		2025 goal

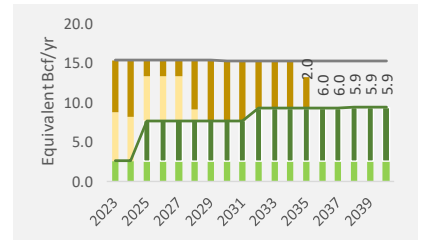
Largest Gap Scenario  
 Elevated Demand Growth  
 Downside Beluga River  
 2025 Goal Clean Energy Uptake



Medium Gap Scenario  
 Moderate Demand Growth  
 Expected Case Beluga River  
 2040 Goal Clean Energy Uptake



Smallest Gap Scenario  
 No Growth Demand  
 Upside Beluga River  
 Elevated Clean Energy Uptake

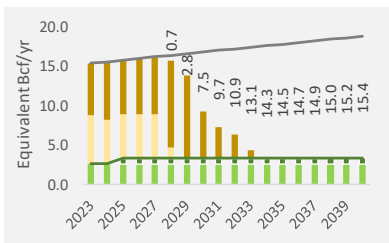


# Chugach Natural Gas Fuel Gap

## Range in size

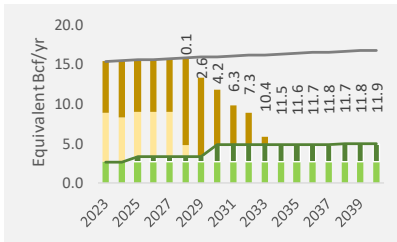
### Largest Gap Scenario

Maximum Demand Growth  
Minimum Clean Energy Uptake  
Downside Beluga River



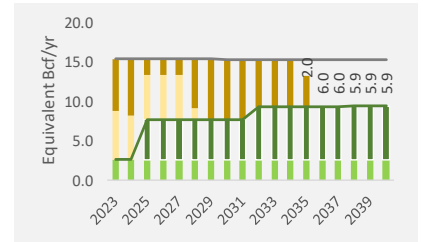
### Medium Gap Scenario

Medium Demand Growth  
Medium Clean Energy Uptake  
Expected Case Beluga River

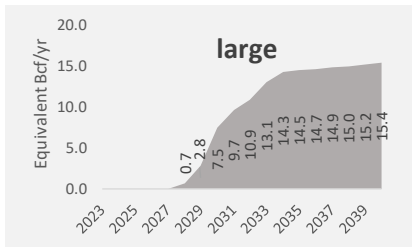


### Smallest Gap Scenario

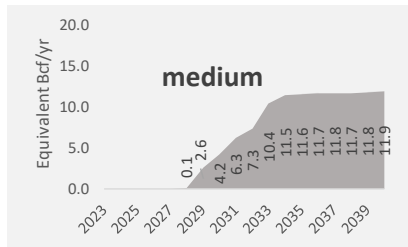
Minimum Demand Growth  
Maximum Clean Energy Uptake  
Upside Beluga River



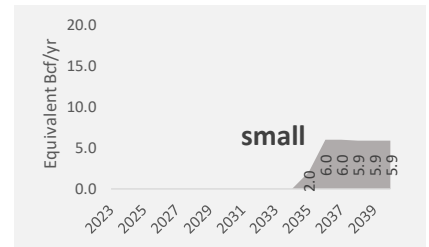
## Isolate the Gaps so they can be compared



▲  
Gap starts  
2028



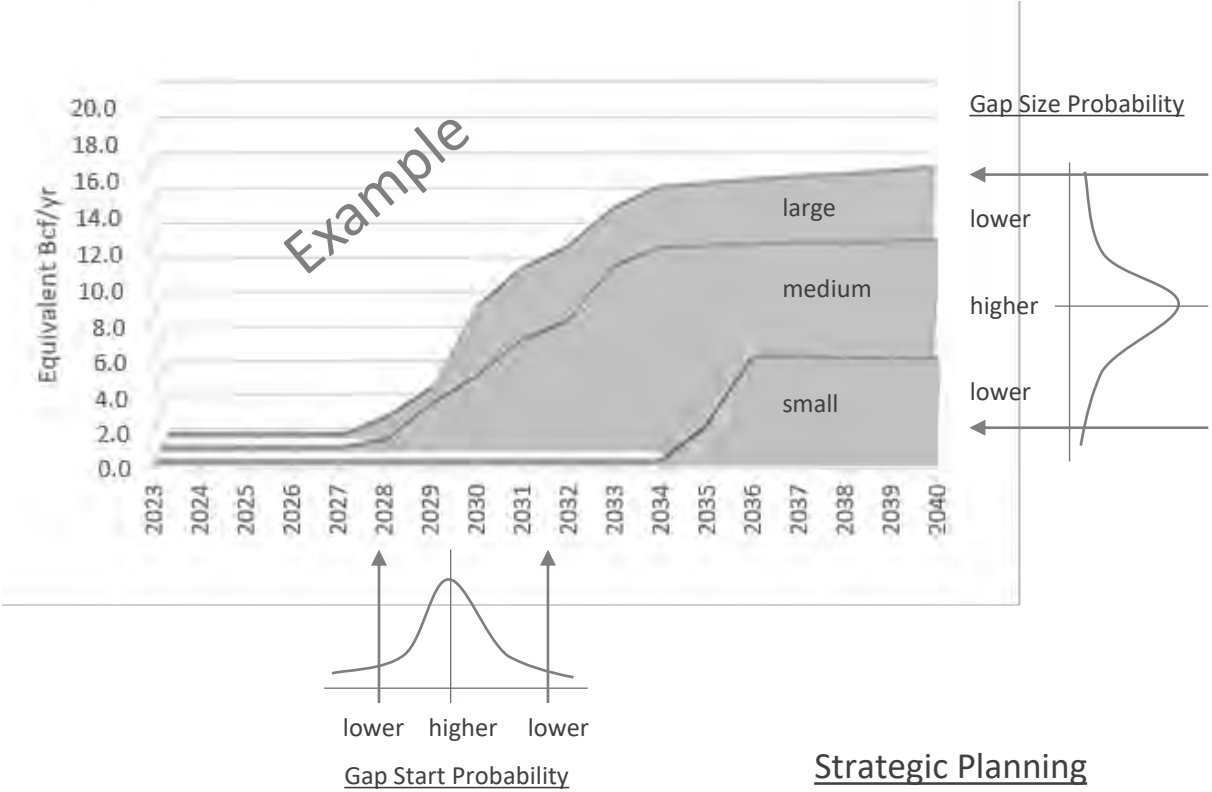
▲  
Gap starts  
2028



▲  
Gap starts  
2035

# Chugach Natural Gas Fuel Gap Size

## Probability Distribution



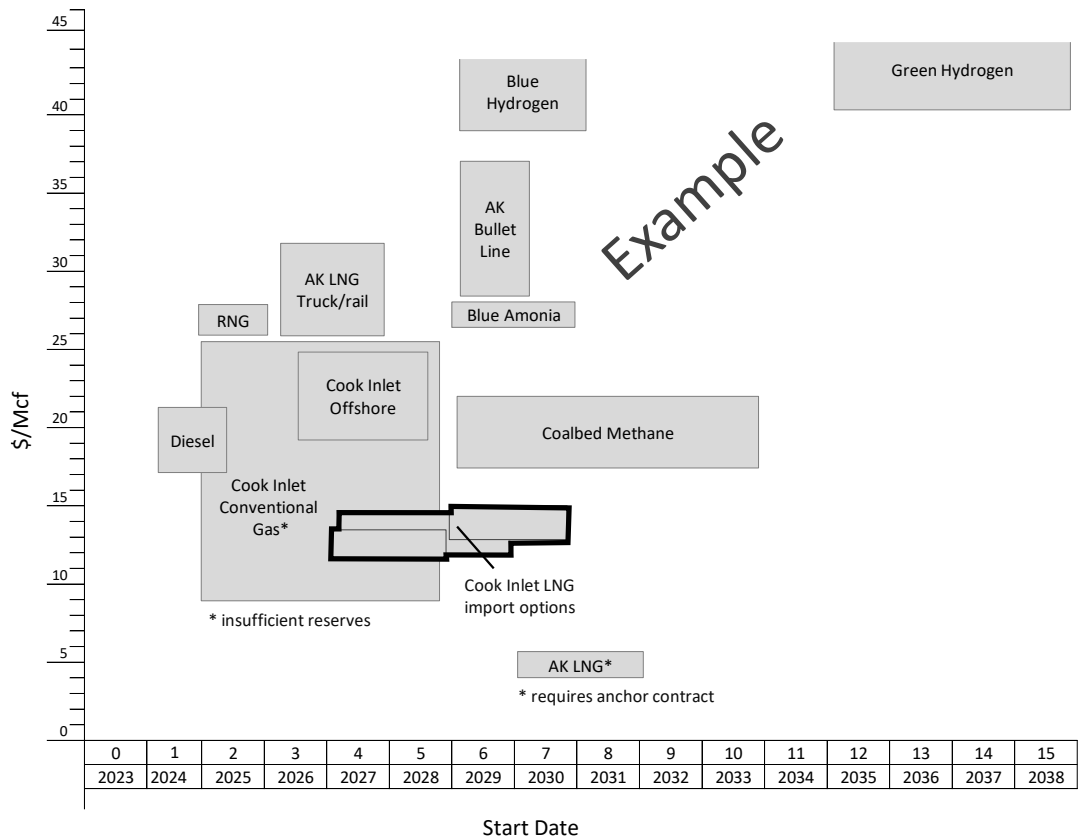
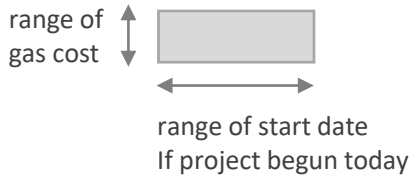
Strategic Planning  
expected case  
how bad can it get

# Options Inventory to fill the Fuel Gap

Options - Private or Utility Consortium				
Remaining Cook Inlet Natural Gas (beyond current contract volumes)	A	Proved	1	Onshore Conventional Developed and Undeveloped
		Probable	2	Offshore Conventional Undeveloped
			3	Onshore Conventional Undeveloped
		Prospective	4	Onshore and Offshore Conventional Undeveloped
		Other	5	Coalbed Methane
Other Thermal Fuels	B	Gas	6	Blue Hydrogen (natural gas feed stock)
			7	Green Hydrogen (clean energy electrolysis)
			8	Compressed Natural Gas (CNG)
			9	Renewable Natural Gas (RNG Biogas)
		Liquid	10	Blue Ammonia (natural gas feed stock)
			11	Diesel
		Solid	12	Coal
North Slope Gas	C	AK LNG Project	13	42' North Slope to Nikiski
			14	Pipeline Acceleration Variant
			15	Terminal Acceleration Variant
		AK Bullet Line	16	36" Size variant
			17	24" Size variant
		Other	18	Arctic Fox 12" pipeline to Fairbanks
			19	Arctic LNG (Qilak)
			20	LNG Trucking or Truck/Rail
Cook Inlet LNG Imports	D	Land Based LNG Facilities	21	Grass Roots Terminal, Storage, and Regas
			22	Retrofit existing Nikiski facilities for Import
		Floating Storage and Regas Units (FSRU)	23	Chartered FSRU
			24	Retrofit FRSU
			25	New Build FSRU

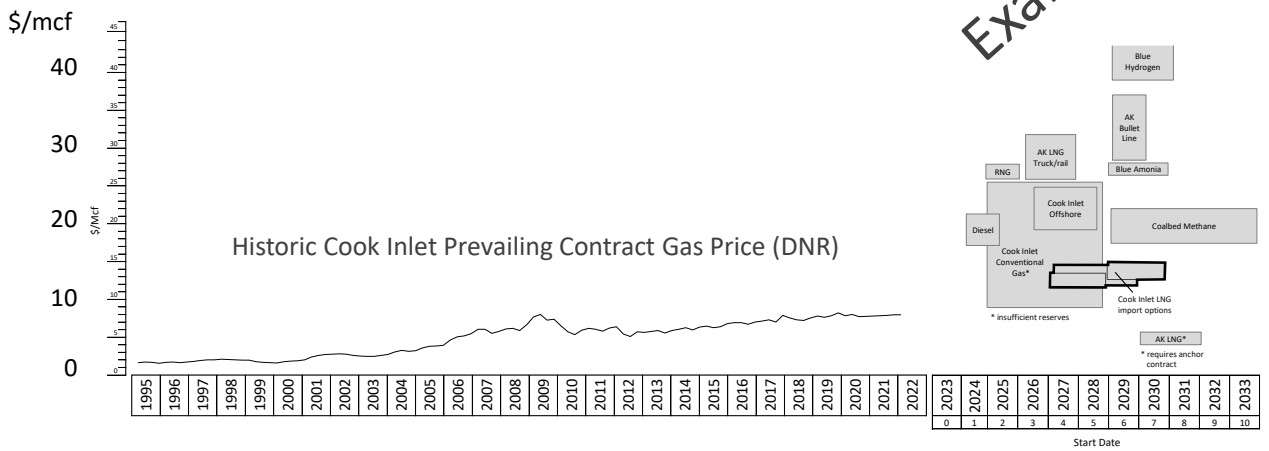
# Options Dashboard

Two variable cross plot for sorting and ID outliers



# Options Dashboard

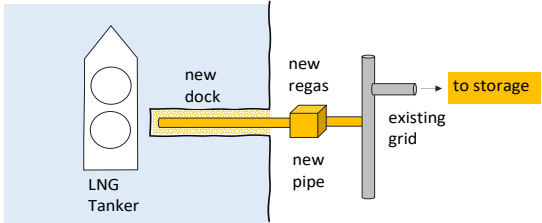
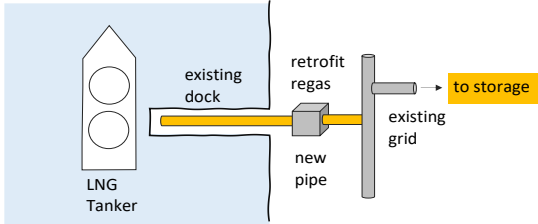
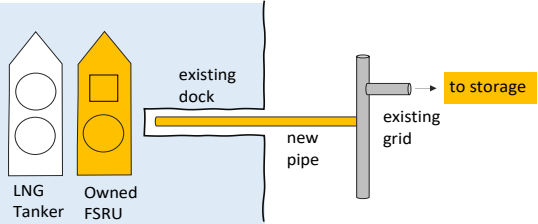
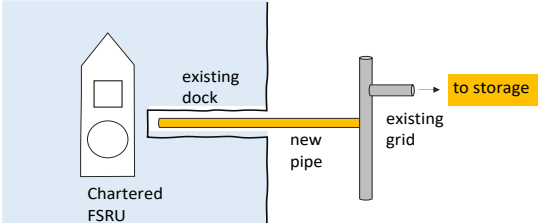
## With Cook Inlet Gas Contract Price History



Example

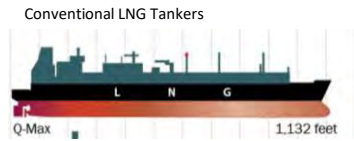
# Cook Inlet LNG Import Options Configurations

	Size Bcf/y	Capital \$MM	Years	Cost of Gas \$/mcf		
				Feedstock	Midstream	Total
<b>Chartered FSRU</b>	55		TBD			
	15.3					
<b>Owned FSRU</b>	55					
	15.3					
<b>Kenai Retrofit</b>	55					
	15.3					
<b>Kenai Grassroots</b>	55					
	15.3					



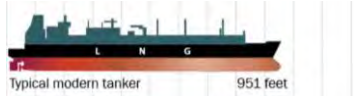
# LNG Shipping Options

LNG Liquid Tankers

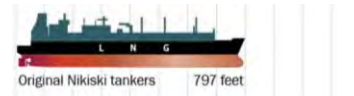


Ship Capacity

5.5 bcf

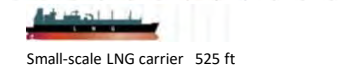


3.5 bcf



Cook Inlet Class  
(ice passport)

2.5 bcf



0.4 bcf



0.2 bcf

# FSRU Options

Large FSRU-LNG



Ship Capacity  
Regas Rate

3.4 bcf  
max 400 mmsfd

small scale FSRU



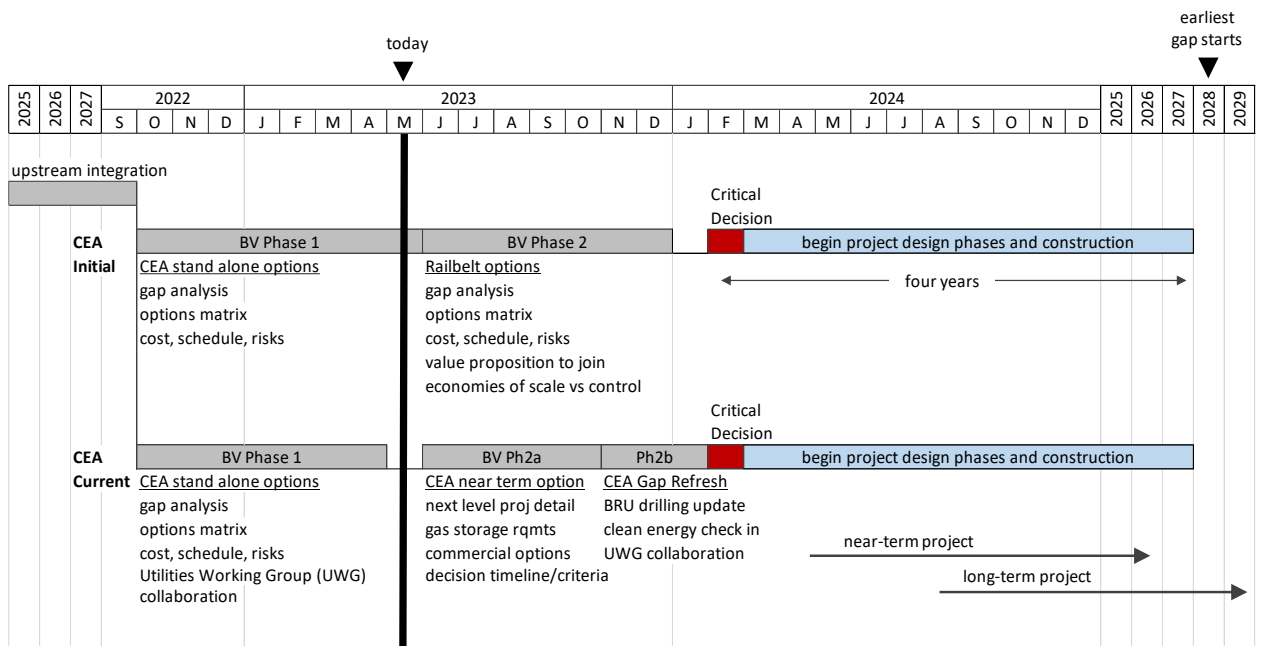
0.1-1.0 bcf  
min 50 mmcf/d

Floating storage plus onboard regasification  
smaller vessels are barges towed by tugs



# Chugach Strategic Planning

## Natural Gas Fuel Gap Study Schedule



### BV Phase 2a Recommendation

- Investigate CEA options
- Focus on potential showstoppers and decision timeline
- Explore commercial options

Continue collaboration with BRG on short and long-term options

**CHUGACH ELECTRIC ASSOCIATION, INC.**  
**Anchorage, Alaska**

**REGULAR BOARD OF DIRECTORS' MEETING**  
**AGENDA ITEM SUMMARY**

**May 24, 2023**

**ACTION REQUIRED**

**AGENDA ITEM NO. VIII.C.**

     Information Only  
  X   Motion  
  X   Resolution  
     Executive Session  
     Other

---

**TOPIC**

Adoption of 2023-2024 Calendar of Regular Meetings of the Board of Directors

**DISCUSSION**

Article V, Section 1 of the Bylaws provides, in part:

“A regular meeting of the board of directors shall also be held monthly at such time and place in the Municipality of Anchorage, State of Alaska, as the board of directors may provide by resolution.”

The attached resolution adopts the Board Calendar for the forthcoming Board year, in compliance with the Bylaws.

**MOTION**

Move that the Board of Directors approve the attached resolution which adopts a schedule for regular meetings of the Board as reflected in the Board Calendar.



## RESOLUTION

### **Adoption of 2023-2024 Calendar of Regular Meetings of the Board of Directors**

WHEREAS, the Association has recently conducted the Annual Meeting of the Association;

WHEREAS, Article IV, Section 1 of the Bylaws of the Association vests authority for management of the Association in the Board of Directors;

WHEREAS, the Membership of the Association has elected a new Director to serve on the Board of Directors; and,

WHEREAS, Article V, Section 1 of the Bylaws of the Association requires the Board of Directors to provide by resolution for regular meetings of the Board;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors adopts a schedule for regular meetings of the Board as reflected in the attached Board Calendar.

#### CERTIFICATION

I, Board Secretary's Name, do hereby certify that I am the Secretary of Chugach Electric Association, Inc., an electric non-profit cooperative membership corporation organized and existing under the laws of the State of Alaska: that the foregoing is a complete and correct copy of a resolution adopted at a meeting of the Board of Directors of this corporation, duly and properly called and held on the 24th day of May 2023; that a quorum was present at the meeting; that the resolution is set forth in the minutes of the meeting and has not been rescinded or modified.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed the seal of this corporation the 24th day of May 2023.

\_\_\_\_\_  
Secretary

# May 2023

May 2023

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

June 2023

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Apr 30	May 1	2 5:30pm Election Committee Meeting (Cooper, Smith) (Board Room CR) - Teresa Kurka	3 9:00am REAP Public Policy Committee Meeting (Via Zoom) - CCBOD 4:00pm Operations Committee Meeting (Board Room CR) - Arden Quezon	4 12:00pm REAP Webinar   Electric Utility Cooperatives & Board Elections (Zoom)	5	6
7	8	9 10:00am Voice over Treasurer video (Hollis) (Gonzalez Marketing - 2804 West Northern Lights) - Julie 3:00pm AK Energy Security Task Force Meeting (Alaska Energy Authority/Teams) -	10 9:30am APA Executive Committee meeting (Microsoft Teams Meeting) - Crystal Enkvist Alaska Power Association	11 1:30pm Special Board of Directors' Meeting (Board Room CR) - Ashton Doyle	12	13
14	15	16 5:30pm Election Committee Meeting (Board Room CR) - Teresa Kurka 6:00pm NWPPA Welcome Reception (Anchorage Museum)	17 9:00am REAP Public Policy Committee Meeting (Via Zoom) - CCBOD	18	19 9:30am Review Board Packet (CEO's Office) - Arden Quezon 3:00pm Member Appreciation Day (ChangePoint Alaska (6689) 6:00pm Annual Membership Meeting/Special	20
21	22	23 5:30pm Election Committee Meeting - Lessons Learned (Board Room CR) - Teresa Kurka	24 4:00pm Regular Board of Directors Meeting (Board Room CR) - Arden Quezon	25	26	27
28	29 Memorial Day	30	31 4:00pm Audit & Finance Committee Meeting (Board Room CR) - Arden Quezon	Jun 1	2	3

# June 2023

June 2023							July 2023						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3							1
4	5	6	7	8	9	10	2	3	4	5	6	7	8
11	12	13	14	15	16	17	9	10	11	12	13	14	15
18	19	20	21	22	23	24	16	17	18	19	20	21	22
25	26	27	28	29	30		23	24	25	26	27	28	29
							30	31					

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
May 28	29	30	31	Jun 1	2 9:00am Governance Committee Packet Review (CEO's Office) - Arden Quezon	3
4	5	6 APA Federal Legislative Conference (Washington, D.C.)		7 4:00pm Governance Committee Meeting (Microsoft Teams Meeting) - Arden Quezon	8	9
11	12	13	14	15	16	17
18	19	20	21	22	23 9:00am Board Packet Review (CEO's Office) - Arden Quezon	24
25	26	27	28 4:00pm Regular Board of Directors Meeting (Board Room CR) - Arden Quezon	29	30	Jul 1

# July 2023

July 2023						August 2023							
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
						1			1	2	3	4	5
2	3	4	5	6	7	8	6	7	8	9	10	11	12
9	10	11	12	13	14	15	13	14	15	16	17	18	19
16	17	18	19	20	21	22	20	21	22	23	24	25	26
23	24	25	26	27	28	29	27	28	29	30	31		
30	31												

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Jun 25	26	27	28	29	30	Jul 1
2	3	4 Independence Day	5	6	7 9:00am Operations Committee Packet Review (CEO's Office) - Arden Quezon	8
9	10	11	12 4:00pm Operations Committee Meeting (Board Room CR) - Arden Quezon	13	14	15
16	17	18	19 5:00pm Member Advisory Council (MAC) Meeting (Board Room CR) - CCBOD	20	21 9:30am Review Board Packet (CEO's Office) - Arden Quezon	22
23	24	25	26 4:00pm Regular Board of Directors Meeting (Board Room CR) - Arden Quezon	27	28 Arctic Road Rally	29
30 Arctic Road Rally	31	Aug 1	2	3	4	5

# August 2023

August 2023

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

September 2023

Su	Mo	Tu	We	Th	Fr	Sa
						1 2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Jul 30	31	Aug 1 Arctic Road Rally	2	3	4	5
6	7	8 APA 2023 Accounting and Finance Workshop	9	10	11	12
13	14	15	16	17	18 9:30am Review Board Packet (CEO's Office)	19
20	21	22 APA & ARECA Annual Meeting		23 NRECA Director Training 4:00pm Regular Board of Directors Meeting (Board Room CR) - CCBOD	24	25
26	27	28	29	30 4:00pm FW: Audit & Finance Committee Meeting (Board Room CR) - Arden Quezon	31	Sep 1
						2

# September 2023

September 2023

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

October 2023

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Aug 27	28	29	30	31	Sep 1	2
3	4 Labor Day	5	6	7	8	9
10	11	12	13 4:00pm Governance Committee Meeting (Board Room CR) - Arden Quezon	14	15	16
17	18	19	20	21	22 9:30am Review Board Packet (CEO's Office) - Arden Quezon	23
24	25	26	27 4:00pm Regular Board of Directors Meeting (Board Room CR) - Arden Quezon	28	29	30



# October 2023

October 2023

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

November 2023

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Oct 1	2	3	4 5:00pm Member Advisory Council (MAC) Meeting (TBD) - CCBOD	5	6	7
8	9	10	11 4:00pm Operations Committee Meeting (Board Room CR) - Arden Quezon	12	13	14
15	16	17	18	19	20 9:30am Review Board Packet (CEO's Office) - Arden Quezon	21
22	23	24	25 4:00pm Regular Board of Directors Meeting (Board Room CR) - Arden Quezon	26	27	28
29	30	31	Nov 1	2	3	4

# November 2023

November 2023

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

December 2023

Su	Mo	Tu	We	Th	Fr	Sa
						1
	3	4	5	6	7	8
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Oct 29	30	31	Nov 1	2	3	4
5	6 9:30am Audit & Finance Packet Review (Sherri's Office) - Arden Quezon	7	8 4:00pm FW: Audit & Finance Committee (Budget) (Board Room CR) - Arden Quezon	9	10 9:30am Board Packet Review (CEO's Office) - Arden Quezon	11
12	13	14	15 4:00pm Regular Board of Directors Meeting (Board Room CR) - Arden Quezon	16	17	18
19	20	21	22	23 Thanksgiving Holiday	24	25
26	27 9:00am Audit & Finance Packet Review (Sherri's Office) - Arden Quezon	28	29 4:00pm Audit & Finance Committee Meeting (Board Room CR) - Arden Quezon	30	Dec 1	2

# December 2023

December 2023						January 2024							
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
					1	2		1	2	3	4	5	6
3	4	5	6	7	8	9	7	8	9	10	11	12	13
10	11	12	13	14	15	16	14	15	16	17	18	19	20
17	18	19	20	21	22	23	21	22	23	24	25	26	27
24	25	26	27	28	29	30	28	29	30	31			
31													

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Nov 26	27	28	29	30	Dec 1 9:00am Governance Packet Review (Arthur's Office) - Arden Quezon	2
3	4	5	6 APA/AIE Open House December Meeting Series 4:00pm Governance Committee Meeting (Board Room CR) - Arden Quezon	7	8 9:00am Review Board Packet (CEO's Office) - Arden Quezon	9
10	11	12	13 4:00pm Regular Board of Directors Meeting (Board Room CR) - Arden Quezon	14	15	16
17	18	19	20	21	22 Christmas Eve Holiday Observed	23
24	25 Christmas Day	26	27	28	29 New Years Eve Holiday Observed	30
31	Jan 1, 24	2	3	4	5	6

# January 2024

January 2024

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

February 2024

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Dec 31	Jan 1, 24 New Years Day	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30 APA Managers' Forum meeting and NRECA Director Training class	31 2024 APA State Legislative Co	Feb 1	2	3

# February 2024

February 2024

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

March 2024

Su	Mo	Tu	We	Th	Fr	Sa
						1 2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Jan 28	29	30	31	Feb 1 <small>2024 APA State Legislative C</small>	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	Mar 1	2

# March 2024

March 2024

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April 2024

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Feb 25	26	27	28	29	Mar 1 8:00am NRECA PowerXchange (March 1 - 6 San Antonio)	2
3 NRECA PowerXchange (March 1 - 6 San Antonio)	4	5	6 8:30am	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	Apr 1	2	3	4	5	6

# April 2024

April 2024

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

May 2024

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Mar 31	Apr 1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	May 1	2	3	4

# Plant 1 Breaker Replacement

Regular Board of Directors Meeting

May 24, 2023





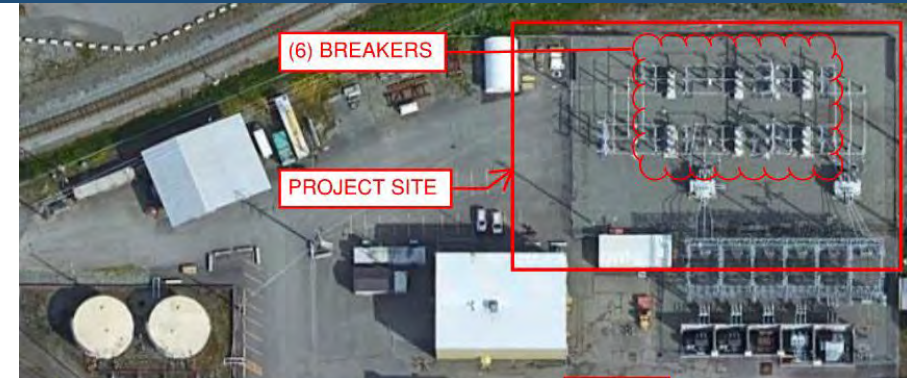
# Plant 1 Breaker Replacement

## Introduction:

- *Requesting an approved Motion for Project Authorization*

## Project Description:

- *Replace end of life switchyard equipment while addressing safety and reliability issues*
- *Retire (6) 115kV oil breakers and station service infrastructure*
- *Install new: (6) 138kV SF6 gas breakers and new normal and alternate station service*
- *Plant 1 Switchyard is essential for the Central Business District and other large consumers.*



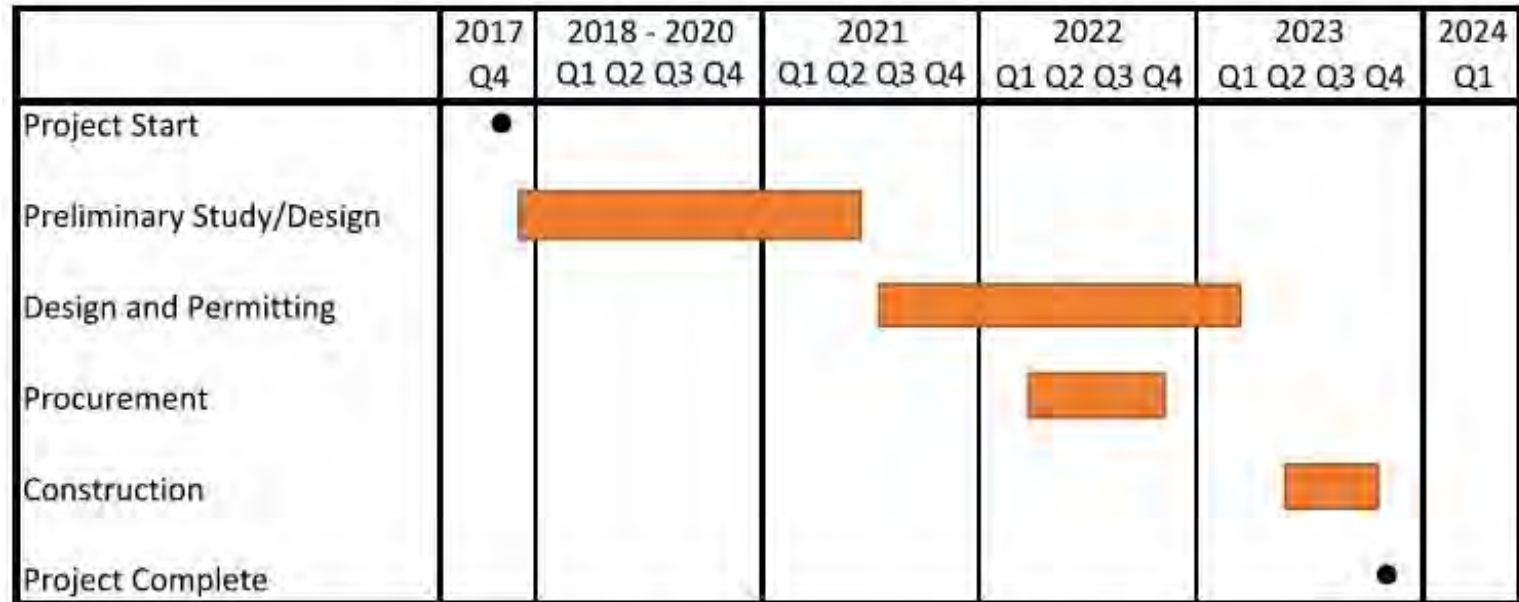
# Plant 1 Breaker Replacement

*Project Estimate and Authorization: \$2.4 M*

- *Total Installed Cost Estimate*
- *Included in the 2023-2027 CIP and 2023 Budget*

Category	Estimate
Labor	\$0.5 M
Professional Services	\$0.1 M
Materials	\$1.3 M
Construction	\$0.5 M
<b>Total Installed Cost Estimate</b>	<b>\$2.4 M</b>

*Project Schedule:*



**CHUGACH ELECTRIC ASSOCIATION, INC.**  
**Anchorage, Alaska**

**OPERATIONS COMMITTEE MEETING**  
**AGENDA ITEM SUMMARY**

**May 24, 2023**

**ACTION REQUIRED**

**AGENDA ITEM NO. VIII.D.**

**Information Only**  
 **Motion**  
 **Resolution**  
 **Executive Session**  
 **Other**

---

**TOPIC**

Project Authorization – Plant 1 Breaker Replacement

**DISCUSSION**

The Plant 1 Switchyard has served downtown Anchorage and the surrounding communities for decades. The 115 kV system at Plant 1 is a primary connection point to the 34.5 kV system that feeds the Central Business District and the Port of Anchorage. The existing 115 kV breakers at the Plant 1 Switchyard are over 40 years old and have reached the end of their useful life. This project will replace the existing breakers at the switchyard, providing additional alarms and new cables for breaker power and relaying, which will enhance system protection.

This project includes the engineering, procurement, and replacement of six Oil Filled Breakers with six Gas Insulated Breakers. It will also reconfigure the connections for the station service and add a backup station service connection. Additionally, it includes the coordination of disposing of the existing Oil Filled Breakers, oil, and installation of the new Gas Insulated Breakers on existing foundations. There is known contaminated soils on site, so excess soils for the secondary service conduits and conductor require proper disposal in compliance with a Contaminated Soils Plan.

The project is included in Chugach's 2023-2027 Capital Improvements Program and is included in the 2023 budget. The total project cost is estimated at \$2,410,000.

**MOTION**

Move that the Board of Directors authorize the Chief Executive Officer to acquire, construct, and install the Plant 1 Breakers Replacement project at Plant 1 Switch Yard for an estimated total cost of \$2,410,000.

**CHUGACH ELECTRIC ASSOCIATION, INC.  
Anchorage, Alaska**

**SPECIAL BOARD OF DIRECTORS' MEETING  
AGENDA ITEM SUMMARY**

**May 24, 2023**

**ACTION REQUIRED**

**AGENDA ITEM NO. VIII.E.**

**Information Only**  
 **Motion**  
 **Resolution**  
 **Executive Session**  
 **Other**

---

**TOPIC**

Natural Rural Electric Cooperative Association (NRECA) National Resolutions Committee: Early Retirement of Generation Assets

**DISCUSSION**

Each year, the NRECA National Resolutions Committee recommends changes to NRECA's resolutions. The National Resolutions Committee is made up of representatives from NRECA's member cooperatives and meets each June to consider proposed resolutions and public policy issues submitted by NRECA voting members. The committee's meeting is being held on June 23, 2023, and NRECA voting members who have proposals for consideration are due by June 16, 2023. The resolutions provide a statement of positions and guidance to NRECA staff. NRECA's Member Resolutions are voted on each year at the NRECA Annual Member Business Meeting.

In March 2023, a resolution titled, "Premature Retirement of Generation Assets" was adopted at the 2023 NRECA Annual Member Business meeting. This resolution recognizes the potential negative impacts associated with the premature retirement of generation assets, including financial and reliability impacts. The resolution "urges NRECA to oppose legislation and regulatory policies that interfere with the ability of electric cooperatives to operate fossil fuel generation through the end of useful life." However, it does not take into consideration that a local utility may want to voluntarily retire generation assets.

Local self-determination is the cornerstone of the cooperative business model. Local utility board decisions should not be hemmed in by regional or national policy. NRECA needs the flexibility to support local utility cooperative board decisions, including the voluntary participation in the early retirement of generation assets. Below is an alternative resolution that recognizes and allows for cooperative board decision-making determination of remedies for the early retirement of generation assets:

Electric cooperatives are currently facing the premature retirement of fossil fuel generating resources. We urge NRECA to educate federal policy makers on the reliability and financial impact of premature retirement. And, when deemed desirable by locally led electric cooperatives, to support these co-ops to pursue remedies for early retirement of generation assets.

The motion below provides authorization for Chugach's NRECA voting delegate to advance a resolution to the NRECA Resolutions Committee that recognizes electric cooperative leadership's expertise that recognizes and allows for alternative remedies associated with the premature retirement of generation assets as may be determined by locally led electric cooperative leadership.

### **MOTION**

Move that the Chugach Electric Association, Inc. Board of Directors authorize the Chugach Board NRECA voting delegate to introduce and participate in the advancement of a resolution to the NRECA Resolutions Committee that recognizes and allows for alternative remedies associated with the premature retirement of generation assets as may be determined by locally led electric cooperative leadership.

Chugach Electric Association, Inc.  
Anchorage, Alaska

Summary of Executive Session Topics for  
Regular Board of Directors' Meeting on May 24, 2023  
Agenda Item IX.

- A. Discussion regarding financial and legal matters concerning the 1991 Fish and Wildlife Agreement. (AS 10.25.175(c)(1) and (4))
- B. Discussion regarding financial and legal matters concerning the BRU Agreement – Imbalanced Elections. (AS 10.25.175(c)(1) and (4))
- C. Discussion regarding financial matters concerning the Seward Electric System. (AS 10.25.175(c)(1))

**CHUGACH ELECTRIC ASSOCIATION, INC.**  
**Anchorage, Alaska**

**OPERATIONS COMMITTEE MEETING**  
**AGENDA ITEM SUMMARY**

**May 24, 2023**

**ACTION REQUIRED**

**AGENDA ITEM NO. X.A.**

**Information Only**  
 **Motion**  
 **Resolution**  
 **Executive Session**  
 **Other**

---

**TOPIC**

Project Authorization – Plant 1 Breaker Replacement

**DISCUSSION**

The Plant 1 Switchyard has served downtown Anchorage and the surrounding communities for decades. The 115 kV system at Plant 1 is a primary connection point to the 34.5 kV system that feeds the Central Business District and the Port of Anchorage. The existing 115 kV breakers at the Plant 1 Switchyard are over 40 years old and have reached the end of their useful life. This project will replace the existing breakers at the switchyard, providing additional alarms and new cables for breaker power and relaying, which will enhance system protection.

This project includes the engineering, procurement, and replacement of six Oil Filled Breakers with six Gas Insulated Breakers. It will also reconfigure the connections for the station service and add a backup station service connection. Additionally, it includes the coordination of disposing of the existing Oil Filled Breakers, oil, and installation of the new Gas Insulated Breakers on existing foundations. There is known contaminated soils on site, so excess soils for the secondary service conduits and conductor require proper disposal in compliance with a Contaminated Soils Plan.

The project is included in Chugach's 2023-2027 Capital Improvements Program and is included in the 2023 budget. The total project cost is estimated at \$2,410,000.

**MOTION**

Move that the Board of Directors authorize the Chief Executive Officer to acquire, construct, and install the Plant 1 Breakers Replacement project at Plant 1 Switch Yard for an estimated total cost of \$2,410,000.