

Arctic Oil & Gas Directory

*Covering Arctic oil and gas operations
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INSIDE

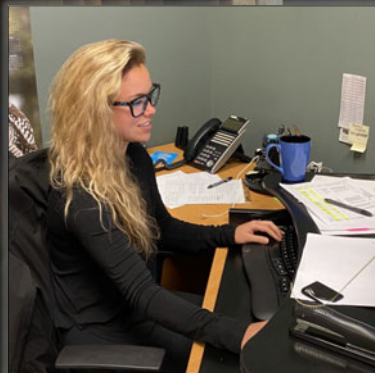
ESG IN
ALASKA'S
DNA

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September 2023

Alaska's Oil & Gas Consultants



- Geoscience
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The Lynden barge Greta runs between Utqiagvik and Prudhoe Bay.

Photo by Judy Patrick,
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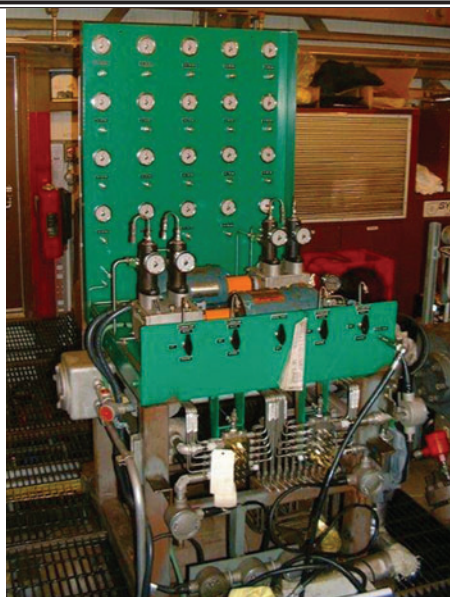
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Alaska Dreams
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Alaska Marine Lines
Alaska Materials
Alaska Railroad
Alaska Steel Co.
Alaska Textiles
Alaska West Express
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B-F

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C&R Pipe & Steel, Inc.
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Colville Inc.
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CONAM Construction
Construction Machinery Industrial (CMI)
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Lynden Air Cargo
Lynden Inc.

Lynden Logistics
Lynden Oilfield Services
Lynden Transport
Matson

N-P

Nabors Alaska Drilling
NANA Worley
Nature Conservancy, The
NEI Fluid Technology
Nordic Calista
North Slope Borough
North Slope Telecom
Northern Solutions
Owl Ridge Natural Resource Consultants
Petroleum Equipment & Services, Inc.
PND Engineers, Inc.
PRA (Petrotechnical Resources of Alaska)
Price Gregory International

Q-Z

Resource Development Council
SeaTac Marine Services
Strategic Action Associates
Tanks-A-Lot
TorcSill
Udelhoven Oilfield System Services Inc.
US Ecology Alaska
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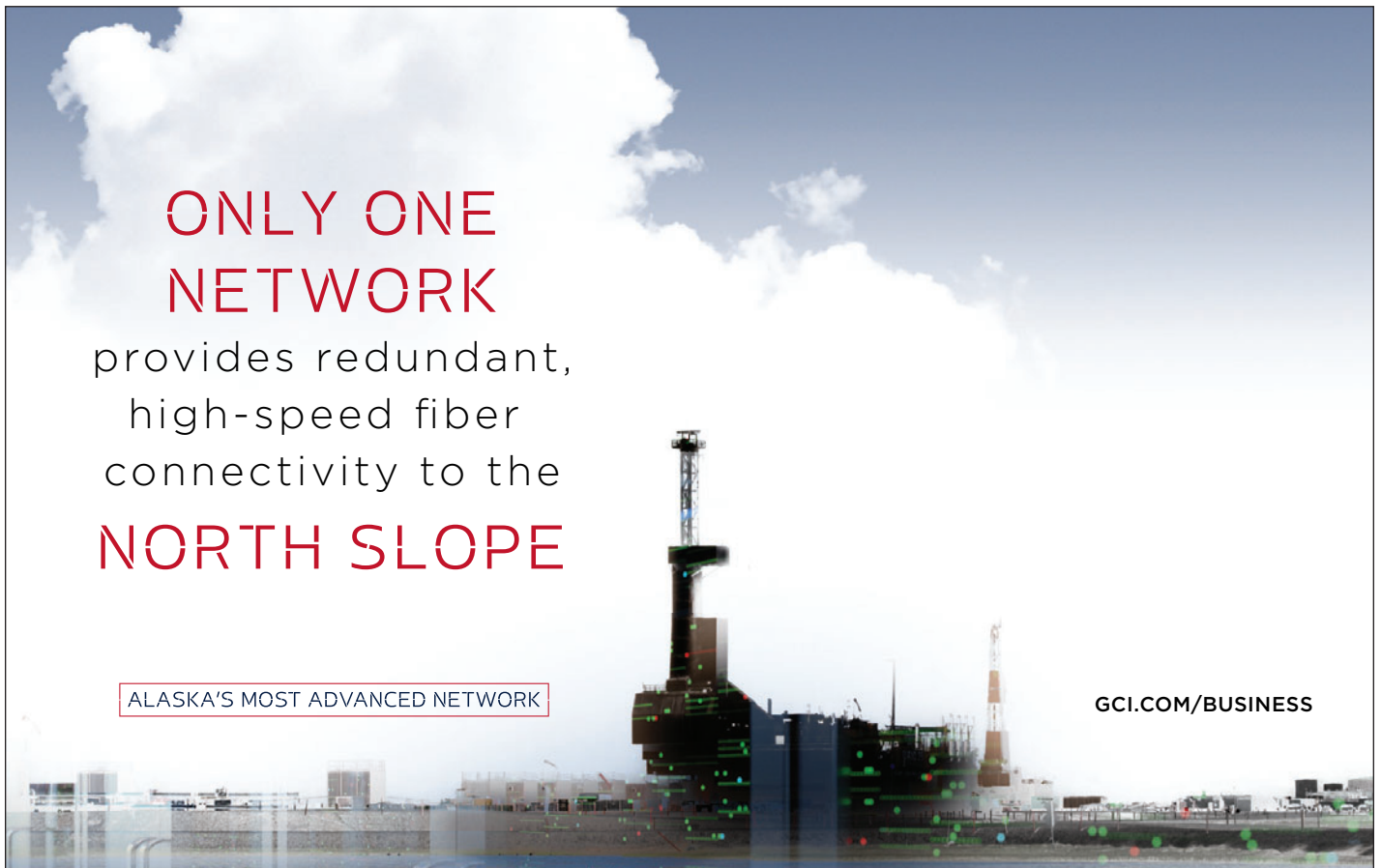
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Environment, Society, Governance: From noble concept to political hammer

By **CORRI FEIGE**
for *Petroleum News*

It is no surprise to businesses in Alaska's resource development space that project financing is harder than ever to secure. Banks and lending institutions have become resistant to resource development investments in "the Arctic" generally, but also to oil and gas investments in Alaska specifically over the course of the past two years.

Seemingly overnight, the petroleum industry in this country went from preferred investment to pariah.

In part, this was driven by the sluggish recovery of post-pandemic market economies that kept oil and gas demand at lower-than-expected levels for longer. But that alone didn't explain the reluctance of once-reliable financing partners to come back to the table as the world and oil companies emerged from COVID-19.

No, there was clearly a political "thumb on the scale" and we have come to know it today as "ESG." Three simple letters that now control the commanding heights of the energy and resource development sectors in the U.S. and abroad.

With ESG Funds failing to bring home the promised returns and investors demanding better at a time when high inflation, energy supply and energy security are in the headlines almost daily, Alaska and Alaskans must seize the opportunity to tell our story and change our trajectory.

What is ESG?

But what is ESG? These three letters stand for Environment, Society and Governance, and the concept of using these metrics to evaluate environmental and social risks in investments had a noble beginning. Adopted in 2003, the first Equator Principles represented a code of conduct and a risk management tool that banks and lending institutions could use to determine the level of environmental and social risk that energy and infrastructure projects might pose in a given region.

The principles were a voluntary code of conduct and reporting under which companies would evaluate the environmental impacts of a particular project. Did the project use the least amount of land and water feasible and did it have all the required environmental permits? Societally, what were the implications for communities and social programs in the project area? Was there enough housing available for workers and their families or would more need to be built? Would schools and social programs be able to support the influx of workers to an area?

ESG IN ALASKA'S DNA

Corri Feige is the former Commissioner of the Alaska Department of Natural Resources



And was the company conducting their affairs as a good corporate citizen by being transparent with the public about its plans and timelines, and had it worked to mitigate the potential impacts of the development in concert with the local communities? All of this analysis was focused on ensuring that development projects could and would support sustainable communities, thereby reducing risks of financial loss to the lender. All of this information

was reported back to the financial sector on a regular basis, usually during a company's quarterly reporting.

Very noble beginnings, indeed! Linking project funding to ensuring that large development projects like refineries, power plants, ports, and even large manufacturing facilities are all designed and constructed to promote sustainable communities and limit environmental impacts is something we can all agree is good. Companies in Alaska have for decades looked at these same factors as a part of project development. Alaska's unique geographic location, vast Alaska Native land holdings, local municipal controls, subsistence and traditional cultures, limited infrastructure and rigorous state regulatory regime have all required that community support and environmental impacts are addressed, and mitigations made a part of every development.

What's different today?

So, what is different about ESG principles today? How did ESG go from being a corporate code of conduct focused on ensuring sustainable development projects to being a screening tool used to stop conventional energy and fossil fuel development projects all together?

In a word, politics. Many will remember Alaska's U.S. Sen. Dan Sullivan back in 2019, calling then President Trump's attention to the fact that certain banks and lending institutions were suddenly refusing to do business with companies in Alaska, citing a policy that prohibited investment in "the Arctic."

Sullivan called it "discrimination" against Alaska and Alaskans, and this was likely the first time any of us became aware that there was a move afoot to begin to drive capital away from certain types of projects and specific locations. But that was just the tip of a much larger iceberg.

The Equator Principles had, since 2003, been expanded and the number of financial institutions signing on and accepting the principles as a de facto standard for where investment dollars would be spent had grown from just 10 in 2003 to over 100 by October of 2021.

Today, the Equator Principles are in their fourth iteration and according to the United Nations Environment Program have

Adopted in 2003, the first Equator Principles represented a code of conduct and a risk management tool that banks and lending institutions could use to determine the level of environmental and social risk that energy and infrastructure projects might pose in a given region.

been "...used to initiate the design of a Sustainable Financial System to advance policy options to improve the financial system's effectiveness in mobilizing capital towards a green and inclusive economy." (UNEP Inquiry Working Paper 16/05, February 2016).

This is a far cry from the original purpose and intent of the Equator Principles, which aimed to reduce risk in investments for the financial sector, build sustainability in communities and reduce risks to the company undertaking the development.

Returns dropping

Whether as a tool for advancing the climate agenda, championing social justice or driving energy transition, ESG initiatives in the U.S. have become the basis upon which some very specific ESG investment funds have been built. And not all ESG funds are the same or have the same strategy.

As of December 2022, 32 of the 100 largest ESG funds in the world were domiciled in the U.S. while 60 were domiciled in the EU. These 100 largest ESG funds collectively have a total of just about \$441 billion in assets under management. And while not all ESG funds are aimed at preventing fossil fuel or conventional energy developments, most have criteria that make it impossible for these types of projects and the companies that champion them to meet the criteria to be considered for investment through the fund.

ESG investing is promoted as a strategy that drives money to companies that meet stringent environmental, social and governance standards so that investors can rest assured that their dollars are going to support responsible corporate behavior without sacrificing investment performance and returns. But this has not borne out for many of the large investment firms like BlackRock, Vanguard and Parnassus to name just a few. All of these firms have large ESG funds that have posted returns significantly below their respective market indices.

Bloomberg recently reported that the 10 largest ESG funds by assets, which include both BlackRock and Vanguard ESG funds, have all reported double-digit losses this year. Given that many large ESG funds also charge higher management fees, many investors have begun to take a closer look at how and where their dollars are being invested and why the returns have been so poor.

This has caused even large institutional investors like pension funds to take a hard look at what types of policies and agendas are being driven through ESG funds, and question whether or not they desire to have their funds invested in that way.

Could threaten utility projects

The intent of ESG investing began as a noble mission - drive sustainability in communities and companies and reduce risk to financial institutions that make money available for large energy and infrastructure projects around the world. Where ESG investing has landed in 2022 is far from that original intent.

ESG investing presently is being used by some to drive politi-

About Corri Feige's column

Former Alaska Department of Natural Resources Commissioner Corri Feige is writing a series of columns for Petroleum News titled "ESG in Alaska's DNA." They will cover: 1) educating on ESG broadly; 2) looking at how ESG in Alaska is tied to our constitution, regulatory framework and gives back to Alaskans in a variety of ways (it's in our DNA!). From there moving on to the changes and controversy we have seen around ESG investing strategies in recent months and how those very same investing strategies have been a barrier to projects and companies in Alaska finding capital. Then finally, 3) looking at where ESG may be going in the next couple of years. This one will be the most "crystal ball gazing" of all of them but Feige can likely link it to not only oil and gas development but also to CCS, critical minerals production and energy transition broadly. It's all intertwined.

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cal agendas and special interests, often without investor knowledge and without the level of transparency that ESG principles themselves dictate.

For places like Alaska that have a deep-rooted mandate to develop our energy and natural resources to support our people, our social services and to provide for our state's future, this type of ESG investing threatens to choke off the financial support necessary to undertake development in this state.

It threatens our ability to keep our lights on and our homes warm if our utilities depend upon natural gas or diesel. And Alaska doesn't have the readily available, at-scale power supply options that states in the Lower 48 enjoy.

Yet when we look around the world for places that truly internalize the intent and practice of ESG and the Equator Principles, Alaska is at the top of the list.

Alaska has a lot to teach the world about resource development and that education needs to start right now and right here in the U.S. It isn't going to be easy and the political deck is stacked against us, but as the famous movie line goes, "follow the money!"

With ESG funds failing to bring home the promised returns and investors demanding better at a time when high inflation, energy supply and energy security are in the headlines almost daily, Alaska and Alaskans must seize the opportunity to tell our story and change our trajectory. The tenacious people of this state have done it before, and we can do it again. ●

Alaska's unique geographic location, vast Alaska Native land holdings, local municipal controls, subsistence and traditional cultures, limited infrastructure and rigorous state regulatory regime have all required that community support and environmental impacts are addressed, and mitigations made a part of every development.

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It is time to tell businesspeople and financial institutions outside the state that in Alaska real ESG values are a way of life

By **CORRI FEIGE**
for *Petroleum News*

You can't open a major newspaper these days without seeing at least one story on Environment, Social and Governance investing or on ESG reporting trends.

In 2022, the large ESG investment funds like BlackRock's and Vanguard's posted significant losses, especially when compared to the S&P Energy Index which realized big gains courtesy of the war in Ukraine and the resulting energy crisis in Europe and parts of Asia. Along with the rest of the world, the U.S. saw a return to record high inflation, high energy costs and high food costs. Clearly, the world needs secure, low-cost energy now more than ever.

Yet even with this global backdrop, there continued to be a push toward rapid energy transition, moving from traditional energy sources like oil and natural gas to renewables. In part, this was a political push because historically, when traditional energy supplies like oil and natural gas cost more, it makes the cost profile of renewables look more favorable.

Renewable technology has certainly come a very long way in recent years, and it absolutely belongs in a smart energy mix that is developed based upon, as they say in the real estate world, location, location, location.

In a location like Alaska with extended periods of dark and deep cold each year, having a truly resilient energy mix that includes everything from renewables to fossil fuels is essential.

A great blend

According to the International Energy Administration, in 2020 renewables accounted for 3% of Alaska's energy supply, 12% came from coal, 16% came from petroleum liquids, 28% came from hydroelectric sources, and 41% came from natural gas. All in, that's a great blend!

So why is it nearly impossible to get financing for new energy projects when 57% of Alaska's utility supply comes from fossil fuels?

Alaska has few options due to our climate, the distribution of our population across this vast landscape, and like anywhere else, the security of our power supply is paramount.

For the answer, we need look no further than the current ESG investing "initiatives" - that's how many banks refer to ESG in their lending policies.

These same institutions and the financial sector broadly, can also possess an often-shocking level of ignorance about Alaska; how we live, how the state regulates natural resource development and how the associated revenue directly supports our

communities and benefits us all.

Most people know that Alaska became the 49th state in 1959, but few likely realize that it was the discovery of the Swanson River oil field on the Kenai Peninsula in 1957 that catapulted Alaska into statehood.

That discovery combined with the federal government's recognition of the enormous natural resource endowment that exists across Alaska, provided the assurance that Congress needed to be certain this new state could provide for its citizens and become economically viable. That realization resulted in a Statehood Act that preserved the rights to the resource wealth in the ground for the state and the people of Alaska.

Beginning of ESG in Alaska

Alaska's Constitution later went on to say that every Alaskan would have the right to be notified and participate in decisions made regarding land use and resource development in the state. This was the beginning of "ESG" in Alaska.

The framers of Alaska's Constitution recognized that the use of the state's lands for activities of all kinds needed to be guided by input from the people and communities near those activities. That's one facet of the "S" in ESG.

In order to keep Alaskans informed about land and resource use, it is the state that has the responsibility to notify the public, not just the entity that is proposing a project.

Roughly a decade after the discovery of the Swanson River field, when North America's largest conventional oil field, Prudhoe Bay, was discovered on Alaska's North Slope, the "S" in Alaska's ESG took another giant leap forward.

The passage of the Alaska Native Claims Settlement Act (ANCSA) in 1971 became the largest land claim settlement in U.S. history and addressed the Alaska Native land title considerations that had been held in trust by the federal government since statehood. Through ANCSA, Alaska Natives were granted 44 million acres of land defined in regional areas important to each of the 12 distinct peoples of Alaska and established the private regional corporation structure that has been working on behalf of Alaska Natives ever since. This was an important piece of federal law in that it gave Alaska Natives the title to their lands and the right to develop them and their mineral resources, as they deemed appropriate.

The federal government also compensated Alaska Native corporations nearly a billion dollars for land lost in the settlement agreement.

Unlike the reservation system widely applied in the Lower 48 states, ANCSA resolved Native land claims in a fashion that gave self-determination to Alaska's Native corporations.



PHOTO COURTESY OF HDR ARCHITECTURE © 2017 DAN SCHWALM

The Samuel Simmonds Memorial Hospital in Utqiaġvik was largely built with petroleum property taxes.

ANC's share approximately 70% of resource revenues generated on Native lands among all 12 corporations, which in turn split those revenues with village corporations and shareholders.

Perhaps most importantly, ANCSA recognized the unique cultures and traditions of the Alaska Native peoples and through its structure helps to honor and preserve those cultures.

Alaska Permanent Fund

Right on the heels of ANCSA, another hallmark of Alaska ESG was born - the Alaska Permanent Fund. The Alaska Permanent Fund was established in the Alaska Constitution by a vote of the people in 1976 and receives royalty revenue generated from principally oil and gas developments on state leases, which feeds the corpus of the fund.

The Permanent Fund represents both "S" and part of "G" in ESG because not only does it pay dividends directly to qualified Alaskans, putting those dollars directly back into Alaska's economy, the Permanent Fund now covers roughly 70% of the state's operating expenses each year.

Operating expenses that include education, health services and programs like power cost equalization that helps reduce the high cost of energy in Alaska's remote communities. This structure, and the state budget process, give Alaskans transparency on how royalties from resource development projects on state lands are being used.

Even after a very tough year on the stock market, the Alaska Permanent Fund finished 2022 with a balance of approximately \$75 billion, and that balance continues to work for all Alaskans, every day.

In Alaska, state law and regulation require the minimum land use possible for safe exploration and production operations, and Alaska's operators have risen to that challenge.

Boroughs and municipalities

No discussion of the "S" in Alaska ESG would be complete without a mention of the bonds and property tax revenue that local boroughs and municipalities derive from resource development projects within their borders. This is the life blood of social and community support in some of Alaska's most remote communities.

Local property taxes are unquestionably the single largest source of revenues for places like the North Slope Borough (NSB) which received in excess of \$390 million in petroleum property tax revenue in Fiscal Year 2022.

Historically, these revenues have been used to support utility services in the widely spaced communities of the North Slope, used to build critical infrastructure like the Samuel Simmonds Memorial Hospital in Utqiaġvik, and used to support search and rescue operations across Alaska's Arctic.

With an eye to the future, the North Slope Borough has wisely established their own "Permanent Fund" to preserve wealth and ensure sustainable communities within the NSB for years to come. At the end of Fiscal Year 2022, the NSB Permanent Fund had a balance of nearly \$1 billion. None of this would be possible without socially and environmentally responsible oil and gas development on the North Slope.

Other communities helped

In addition to the NSB, petroleum property tax revenues contribute significantly to communities like Valdez, home of the TAPS Marine Terminal, and the Kenai Peninsula Borough from which southcentral Alaska's energy and much of the state's refined products are sourced.

Not as remote as NSB communities, these areas are connected to the road system but still rely heavily upon the revenues generated by fossil fuel projects in Alaska to support their social programs and maintain healthy communities. The very

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same type of fossil fuel projects in Alaska that the big ESG investment funds and banks across the country can't see their way clear to support - all in the name of ESG!

Environment most important

Perhaps the most important criteria of ESG, especially in today's world, is "E" - environment. Under the original Equator Principles, environmental considerations included ensuring developments used the least amount of water and land, protected other natural resources like fish and wildlife in the development area, and mitigated of potential impacts to the maximum extent possible.

When considering fossil fuel projects today, ESG criteria such as emission reduction, overall carbon footprint and zero venting of natural gas have all become environmental benchmarks. Once again, we can look to Alaska for decades of leadership in this category.

In Alaska, state law and regulation require the minimum land use possible for safe exploration and production operations, and Alaska's operators have risen to that challenge.

Back in the 1970s and 1980s when the legacy oil fields of the North Slope were under development, an industry standard gravel drill pad covered an area of roughly 65 acres. By 2016, the standard drill pad on the North Slope was down to just 12 acres in size, and the area of reservoir being contacted from that pad had increased by 4000% using extended reach drilling.

Alaska's comprehensive, science-based regulatory program provides oversight of project development, mitigation of impacts to water and air quality, protection of fish and wildlife, protection of subsistence rights, and mandates public engagement at all stages of a project from exploration through development. Multiple state agencies work together in a coordinated manner to ensure the protection and stewardship of Alaska's natural environment. Alaska law even prohibits venting of natural gas, recognizing this as wasting of a valuable state resource. And local boroughs and municipalities manage development across their regions under local planning authorities.

In the current discussion of ESG, carbon intensity and carbon footprint are perhaps the most talked about. According to online sources, the carbon intensity of Alaska's oil and gas operations comes in at a production-weighted average of 17 kg CO₂/barrel of oil equivalent, placing Alaska in the lowest 25% for average carbon intensity. And operators are taking steps to further reduce their overall carbon footprint through actions like mitigating fugitive methane emissions from wells and production facilities and bundling transportation of people and materials wherever possible. All without ever compromising safety.

Possibly the most impactful progress toward carbon reduction in Alaska could come out of the Legislature this session. Gov. Dunleavy has recently introduced legislation that would create the statutory framework necessary for the state to establish a carbon capture and sequestration program. This legislation is critically important because at the present time, the state of Alaska does not have the legal authority to lease its subsurface pore space for purposes of sequestering carbon dioxide for

In the current discussion of ESG, carbon intensity and carbon footprint are perhaps the most talked about. According to online sources, the carbon intensity of Alaska's oil and gas operations comes in at a production-weighted average of 17 kg CO₂/barrel of oil equivalent, placing Alaska in the lowest 25% for average carbon intensity.

long term storage.

The right to inject CO₂ for enhanced oil recovery has existed for many years, but long-term storage is another matter altogether. This program could open the door not only for Alaska's operators to sequester CO₂ produced by their operations, but also establish a new and highly competitive industry in the state. The carbon capture and storage industry is growing rapidly around the world and because Alaska owns its pore space, our state is being looked to as a preferred location for Asian companies seeking places for long term carbon storage when they have no viable options at home.

Governance

The final factor in ESG criteria is "G" - governance. In all of the examples already noted, it is the combination of Alaska's constitutional requirements, legal system, regulatory and compliance oversight, and the social license to operate that companies must have to successfully do business in Alaska that creates a business culture and level of transparency in our corporate citizens that is unmatched. Governance factors are inherently woven throughout the fabric of how resource development is undertaken in Alaska, on both state lands and on Native lands. We've all heard the adage that "no one takes better care of Alaska than Alaskans," and I would take that one step further and say, "no one takes better care of Alaskans than Alaskans."

In fact, according to an American Medical Association study, the life expectancy of Alaskans rose right along with Alaska's oil development. Between 1980 and 2014, life spans increased between 4 and 16 years, with the highest increases among residents of the North Slope Borough's Arctic communities. Resource development is good for Alaska, and we have been practicing what is now the popular notion of "ESG initiatives" for decades. Our communities and our people have benefitted greatly.

Alaska has an exemplary ESG record spanning more than 40 years, and it didn't happen by accident. It is intentionally engineered into how resource development is done in this state.

And even today, Alaska continues to demonstrate leadership by developing carbon solutions to support the global energy transition and we are expanding renewable energy sources in-state where it makes sense to do so.

It is imperative when any of us are talking with businesspeople or financial institutions outside of Alaska that we share Alaska's ESG profile and history. Education is key, especially now, as the financial sector continues to grapple with what its ESG "initiative" should look like. It is time to show them that in Alaska, real ESG values aren't an initiative, they're a way of life. ●

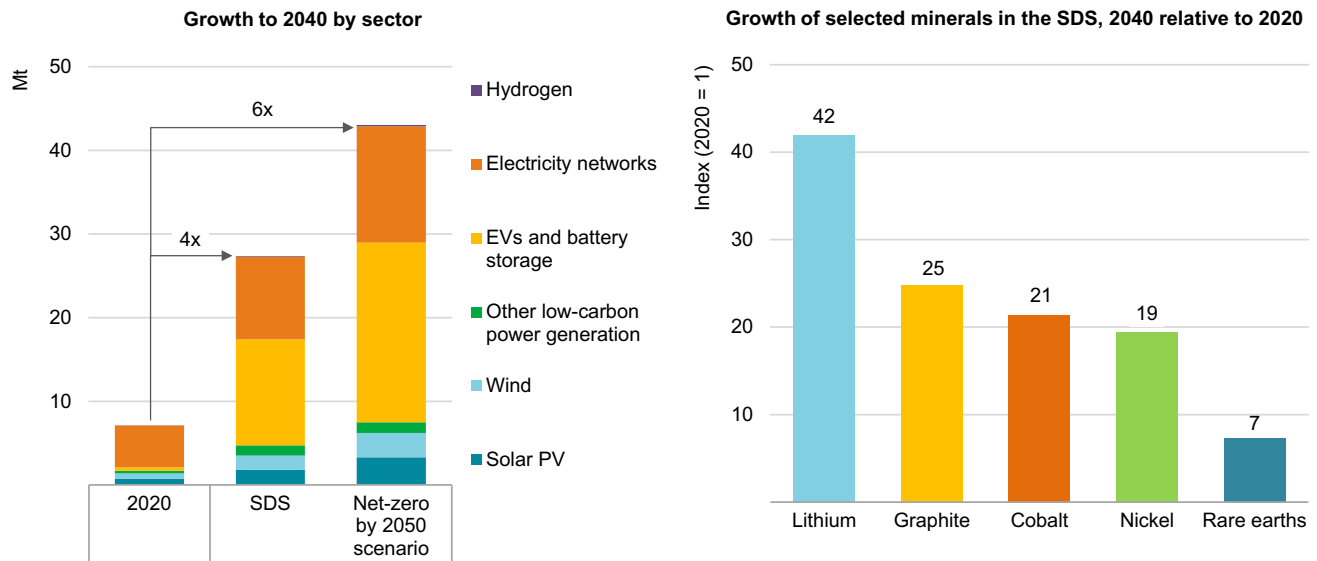
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The Role of Critical Minerals in Clean Energy Transitions

Executive summary

Mineral demand for clean energy technologies would rise by at least four times by 2040 to meet climate goals, with particularly high growth for EV-related minerals

Mineral demand for clean energy technologies by scenario



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Notes: Mt = million tonnes. Includes all minerals in the scope of this report, but does not include steel and aluminium. See Annex for a full list of minerals.

ESG in Alaska's DNA — it's our money

By CORRI FEIGE
for Petroleum News

For the past several months, it would seem that the fervor over ESG (environment, social and governance) investing practices has died down considerably from where it was in 2022. And while Alaska has certainly not changed its approach to being the global “gold standard” for environmentally and socially responsible resource development, ESG analysis no longer seems to capture the headlines.

But has ESG financing practice and its severe limitation on conventional energy projects really lost favor or just gone dark?

Late last year, as the war in Ukraine raged on and along with it a global energy crisis, awareness about the heavy-handed tactics being used by a number of banks, capital providers and lending institutions to drive funding away from conventional energy projects and toward renewables drew a lot of attention. Elected officials and investors alike were surprised to learn how and where their money was being spent - or not - and why. Designed to force the financial sector to change its investment approach to drive energy transition, decarbonization and net-zero emission goals, the ESG investing initiative was being pushed by activist board members, the U.S. Department of Labor, the SEC, and through special ESG investment funds, all with the promise

Vanguard's CEO Tim Buckley explained that “It would be hubris to presume that we know the right strategy for the thousands of companies that Vanguard invests in. ... Our research indicates that ESG investing does not have any advantage over broad-based investing.”

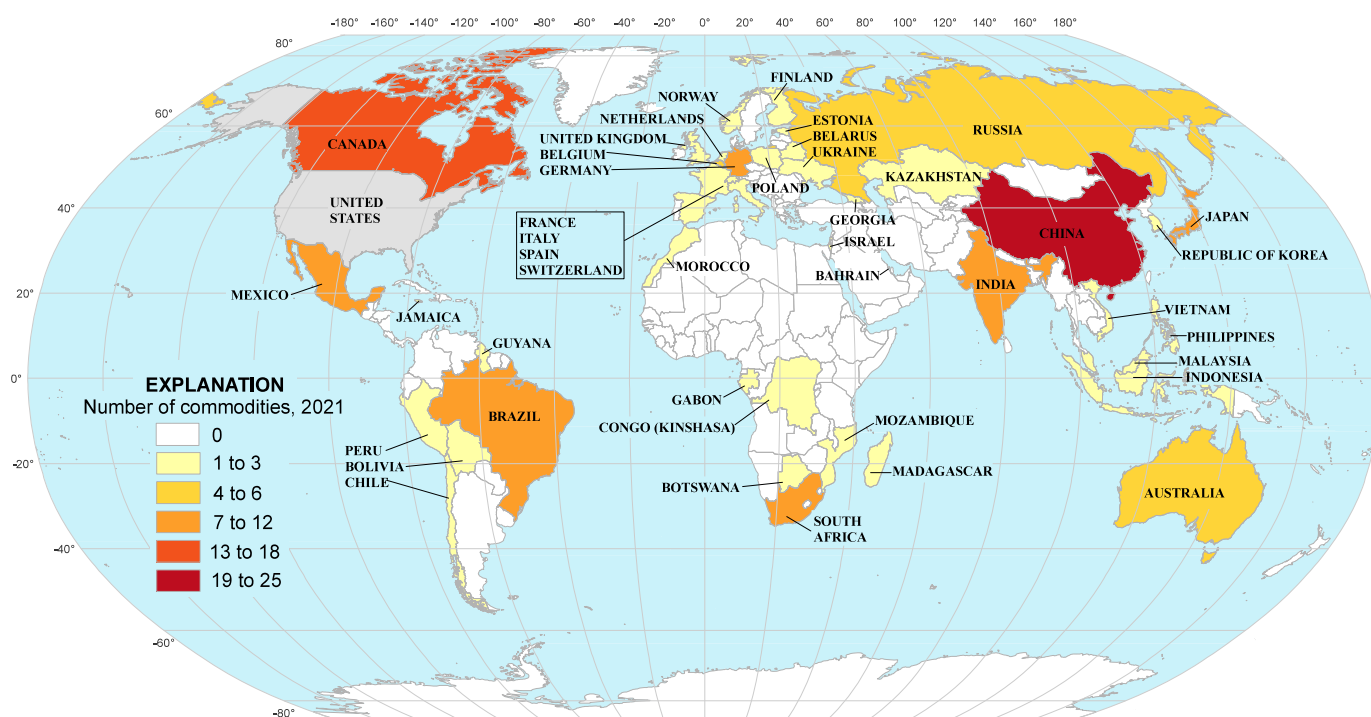
of higher returns and a moral bonus of saving the planet from a looming climate catastrophe.

But as the year came to a close and the smoke cleared briefly on a highly volatile stock market, the reality of the returns on the large ESG Funds hit the harsh light of day. Both BlackRock's and Vanguard's ESG Funds posted significant double-digit losses, while the S&P Energy Index realized large gains, as the world struggled to find secure, long-term energy supplies.

Congress moved to rescind a Labor Department rule that would allow retirement plan investment managers to consider ESG factors when making investments - something that would clearly violate their role as fiduciaries for their clients - think retirees - and may violate anti-trust rules. President Biden recently took the first veto action of his presidency to reject Congress's rollback of that rule.

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Figure 3.—Major Import Sources of Nonfuel Mineral Commodities for Which the United States was Greater Than 50% Net Import Reliant in 2021



Source: U.S. Geological Survey

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FEIGE ANALYSIS

So, while it may not be on Page One, the ESG financing movement is still very much alive and well outside of the mainstream media, and possibly even gaining ground while no one is watching.

Vanguard exits NZAM

Shortly after Vanguard's ESG Fund took big losses in 2022, and after a watch-dog group called Consumers' Research and 13 state AG's requested that the Federal Energy Regulatory Commission review a bid by Vanguard, BlackRock and State Street to purchase large positions in energy and power companies that would exceed FERC policy limits, Vanguard abruptly announced they were exiting what is called the "Net-Zero Asset Managers" initiative or NZAM, and eschewing further ESG investment practices altogether.

NZAM is just one of several initiatives under the broader United Nations' Environment Program, UNEP, umbrella aimed at driving member investment fund firms, and the global monetary

system, to reach net-zero emission targets by 2050 or sooner. NZAM claims 301 signatory member firms and a total of \$59 trillion in assets under management.

Vanguard, the world's second largest asset manager with some \$7 trillion in assets under management, made a bold statement on their withdrawal from NZAM and the ESG strategy. In an interview with the Financial Times in January 2023, Vanguard's CEO Tim Buckley explained that "It would be hubris to presume that we know the right strategy for the thousands of companies that Vanguard invests in. Vanguard is not in the game of politics. Our research indicates that ESG investing does not have any advantage over broad-based investing."

And in a written statement about the withdrawal, Vanguard stated, "We have decided to withdraw from NZAM so that we can provide the clarity our investors desire about the role of index funds and about how we think about material risks, including climate-related risks - and to make clear that Vanguard speaks independently on matters of importance to our investors."

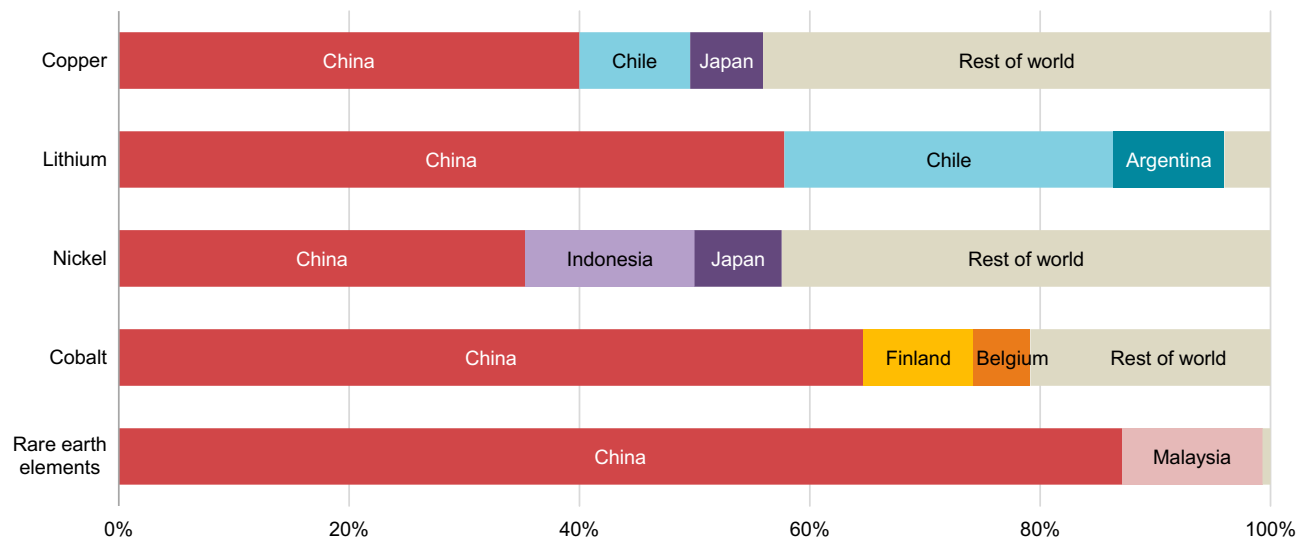
In simplest terms, Vanguard was saying they were divorcing themselves from global groupthink around topics like net-zero goals and ESG and returning to the fundamentals of managing

The Role of Critical Minerals in Clean Energy Transitions

The state of play

The level of concentration is similarly high for processing operations, with China's significant presence across the board

Share of processing volume by country for selected minerals, 2019



Note: The values for copper are for refining operations.

Sources: World Bureau of Metal Statistics (2020); Adamas Intelligence (2020) for rare earth elements.

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iea

their clients' wealth with independent risk analysis and quantification, and with their focus being on the best interests of their clients. That is exactly what being a fiduciary is all about!

Umbrella of United Nations

So, what of the other asset managers they were separating themselves from? Are they acting independently and in the best interests of their clients?

Vanguard's statements seemed to me to be very powerful both for what they said and for what they alluded to. So, I began to research NZAM and soon discovered a whole alphabet soup of similar organizations and initiatives - all under the umbrella of the United Nations' programs grown out of the Paris Agreement on Climate Change. These organizations go far beyond simple ESG Funds, fund management and criteria assessments.

NZAM is a member alliance of GFANZ (Glasgow Financial Alliance for Net-Zero) which was launched in April 2021 at the UN's Conference of Parties (COP) 26, in partnership with the UN's "Race to Zero" campaign. According to their website, GFANZ exists to coordinate efforts across all sectors of the financial system to accelerate the transition to a net-zero global economy. Wow!

Financial world royalty like Michael Bloomberg, Mark Carney (Chair of Brookfield Asset Management), Mary Schapiro (former SEC Chair under President Obama), Larry Fink (BlackRock CEO), and John Kerry (Special Climate Advisor to President

In fact, as IEA points out, ESG funding limitations tend to drive mining and energy production to regions where governance and environmental protections are low, and emissions are high.

Biden) are all headline leadership at GFANZ.

The membership roster boasts of more than 550 firms that include banks, insurers, asset owners and managers, financial service providers and investment consultants. All GFANZ members have independently pledged to reach the goal of net-zero by 2050, with interim targets for 2030 or earlier, and are to report progress annually.

One such affiliated group calling themselves the Energy Transitions Commission recently estimated that it will take roughly \$3.5 trillion per year of capital investment between now and 2050 to build a net-zero global economy, up from the \$1 trillion per year currently invested. Some of this new investment will come, they say, from shifting about \$500 billion per year away from global fossil fuel investments. This as the world struggles through an energy crisis in Europe and Asia, inflation is the highest in decades, and global economies are on shaky ground.

In November 2022, the UN convened COP27 at a luxury resort in Egypt to discuss actions being taken in alignment with

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FEIGE ANALYSIS

the Paris Climate Agreement. UN members and representatives of GFANZ, NZAM and a long, long list of other such organizations gathered to talk about their view of climate change and moving the global economy to net-zero by 2050, or sooner. This included making funds available to poorer countries for carbon-free energy sources, with certain strings attached.

Left in the dark

What's wrong with all of this, you ask? Aside from the fact that some 1.2 billion impoverished people globally, who currently have no access to electricity, will literally be left in the dark, the world simply can't get to net-zero by 2050, or sooner, regardless of how many fingers are quietly put on the financial scales.

Our global energy system has been built over hundreds of years, is complex and is continually evolved and optimized as new proven, energy technology enters the mix. It simply can't be changed in the 7-to-27-year window being espoused by the UN and their cohorts in the financial sector, no matter how loudly they scream "the sky is falling!"

UN delegates from African countries made it clear they were having no more of the COP27 ESG mania. N.J. Ayuk, executive chairman of the Africa Energy Chamber, expressed his frustration in a piece in the Washington Examiner shortly after COP27. He pointed out that ESG criteria for financial investments are being "weaponized" to impose green energy on African nations that desperately need cheap reliable energy.

"If we are going to solve energy poverty, the world needs to invest in Africa's oil, natural gas and other God-given resources," Ayuk said.

He went on to point out that over 80% of the oil and gas taken from Africa ends up in Europe, China and India, and yet according to the COP27, Africa is not allowed to pursue their own priorities and lift over 700 million people out of energy poverty.

Alaska similar to Africa

As I read Mr. Ayuk's remarks, I was struck by how much Africa's situation parallels Alaska's. Financing for energy development projects that support the U.S. broadly has been weaponized to impose a whole-scale energy transition on an unattainable timeline, that just won't work in Alaska.

That's not a judgement, it's physics and geography. The net impact of this imposed agenda will greatly limit Alaska's ability to provide for her citizens, have a robust economy, and develop low-cost, reliable energy for our communities.

The International Energy Agency has studied the level of investment and critical mineral development that will be required to meet both net-zero by 2050 policy goals, and those of the Paris Agreement ("SDS"). (Source: IEA "Role of Critical Minerals in Clean Energy Transitions")

This, too, has huge implications for Alaska because many of those critical minerals will be mined here.

Alaska is home to significant recoverable accumulations of 30 of the 32 critical minerals identified by the USGS as necessary for the strategic economic security and national security of the

I researched my own bank and retirement account and have made changes to be sure there are no ESG fund investments or investments with asset managers known to be engaged with a net-zero alliance.

United States.

With current geopolitical tensions brought on by Russia's war on Ukraine and the resulting alignment of Chinese interests with those of Russia, the U.S. will need Alaska's minerals to ensure our national security and economic interests remain free from manipulation.

The U.S. is currently more than 50% import reliant on China and other nations for more than 23 of the 32 critical minerals, and as much as 90% reliant on China for the processing of these minerals.

This reality has been recognized by two presidential administrations. First by President Trump issuing an Executive Order that directed the Department of Defense to assess U.S. mineral stockpiles and spur domestic mineral production to address national security vulnerabilities, and later by President Biden's Executive Order to address a shortage of minerals needed for electric vehicles and battery manufacturing.

But mining and mineral processing are not net-zero activities - anywhere. In fact, as IEA points out, ESG funding limitations tend to drive mining and energy production to regions where governance and environmental protections are low, and emissions are high.

With alliances like GFANZ, NZAM and the rest of the alphabet soup group forcing a near-term net-zero global economy by using weaponized ESG investment practices, how are projects going to secure the funding necessary to meet the dramatic increase in minerals required for electrification and protect the national security interests of the U.S.? This is a clear conflict of policy priorities.

One central theme in all of this is the UN and the Paris Agreement, around which all of the global financial alliances have formed. The entirety of the current climate change hysteria has grown from the UN's IPCC (Intergovernmental Panel on Climate Change) Reports and the modeling therein. We've been told for years that "the science is settled," but it is not.

IPCC models are highly controversial for their lack of consideration of what many scientists believe to be fundamental processes like documented solar cycles and planetary cycles. The justification for not considering them has been that they are too complex and difficult to manage within the model.

But given the IPCC only popularly publishes the executive summary of their report, which doesn't highlight the model deficiencies or what variables are considered (or not) and why, the news media and average person fail to get the full story.

If the population of the world is being pushed to completely upend the entire global energy and economic system, shouldn't we and our leaders want to know what the model deficiencies are and what the range of possible outcomes really might be? (Each IPCC Report is several thousand pages long and is available for download with some digging and effort, but I encourage you to make the effort.)

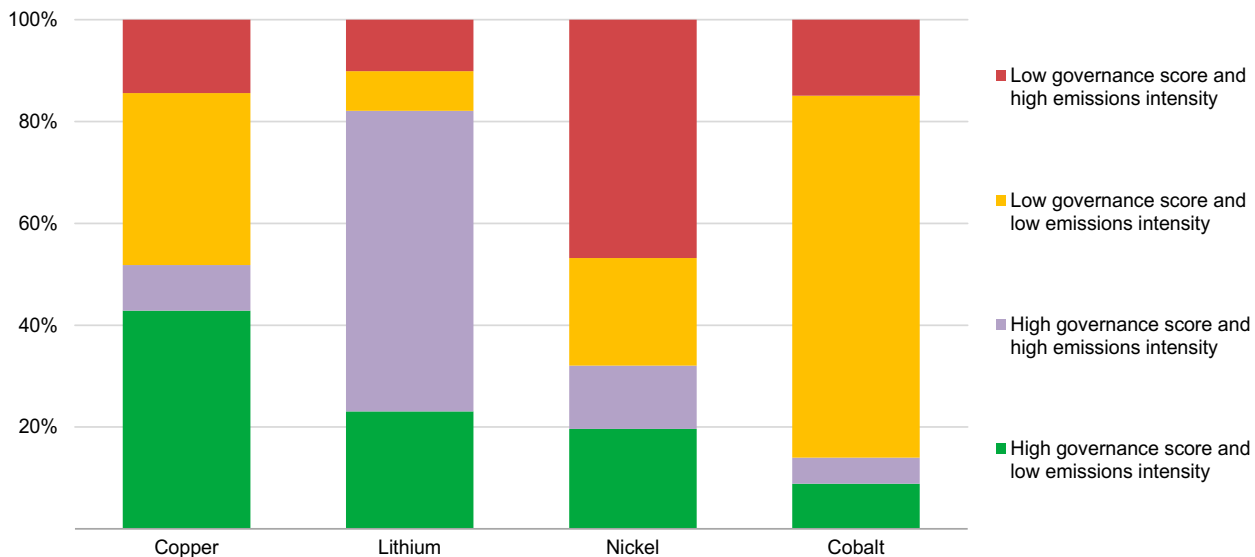
The United States is the single largest financial supporter of

The Role of Critical Minerals in Clean Energy Transitions

Reliable supply of minerals

Scrutiny of ESG issues: The majority of current production volumes come from regions with low governance scores or high emissions intensity

Distribution of production of selected minerals by governance and emissions performance, 2019



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Notes: Analysis using the World Bank Worldwide Governance Indicator (as a proxy for governance) and electricity CO₂ intensity (as a proxy for emissions performance). Composite governance rank scores below 50 were classified as low governance; electricity CO₂ emissions intensity above 463 g CO₂/kWh (global average value in 2019) was classified as high emissions intensity.
Source: World Bank (2020), IEA (2020).

the UN. According to the Council on Foreign Relations, in 2021 the U.S. paid \$12.5 billion in annual “dues” for the UN’s \$65 billion general budget, and additional funds in excess of \$1 billion for the peacekeeping budget.

Must act with our wallets

Are the American people getting our money’s worth and shouldn’t we be concerned about how those funds are being used to dangerously manipulate the global energy and economic systems?

ESG investment strategies grew from the early mandates of the UN Environment Program and have now expanded dramatically under the Paris Agreement and COP. These strategies and mandates make a significant impact on our everyday lives, even right here in Alaska. They limit the ability of our businesses to secure financing for resource development projects which employ Alaskans and pay royalties and taxes to the state. That directly impacts revenues flowing to the Permanent Fund and the state’s ability to pay for the services Alaskans need like education, social services, health care and infrastructure.

It may seem as though we have gone beyond the point of no return in this lunacy, but I don’t think so. It is still our money! Our money, paid in taxes, that supports the UN. Our money, invested with ESG asset managers through retirement accounts, banks and personal investments.

I researched my own bank and retirement account and have made changes to be sure there are no ESG fund investments or

investments with asset managers known to be engaged with a net-zero alliance. That is one tiny piece but it’s something. We must ask the hard questions and act with our wallets.

A perfect storm

Alaska is still home to world-class oil and gas and mineral resources, expanses of forest and open lands that can all be put to good use in building a robust mix of cheap, secure energy for our communities.

And we can do our part to reduce emissions and even store carbon long term in depleted reservoirs.

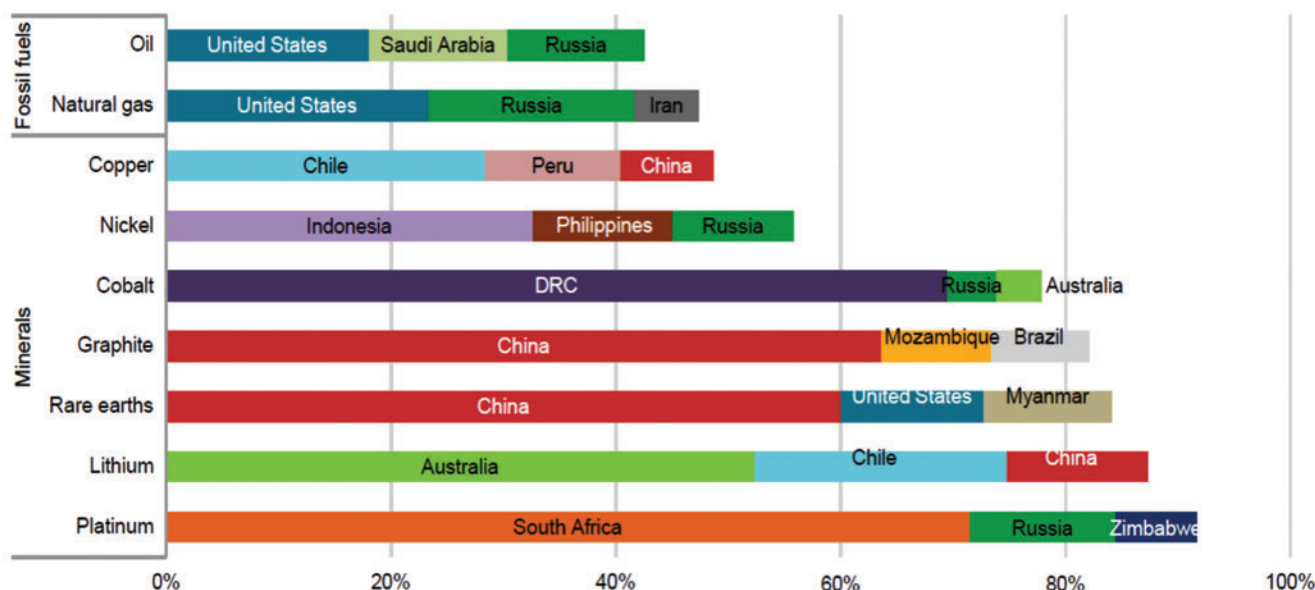
But we can’t do any of it without funding. I believe the misalignment between the vastly expanding need for minerals to support the expansion of renewables and the restriction of funding by net-zero financing initiatives will be the perfect storm that forces a return to a rational process of energy transition. One that makes the best mix of all energy sources. We’ve already seen shades of this with the response to Europe’s energy crisis.

When that perfect storm hits, Alaska will be here to do our part to provide the resources and the energy required. But in the meantime, we need to call out the misaligned policies and direction of ESG and net-zero financing, and the real toll it takes on people’s lives. We must know how our money is being used, and make sure it isn’t working against us. After all, it is our money. ●

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Current production of many energy transition minerals is more geographically concentrated than that of oil or natural gas

Share of top three producing countries in total production for selected minerals and fossil fuels, 2019



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ESG in Alaska's DNA — investors wise up?

ESG getting rebranded "thematic" but a weed by any other name is still a weed; now infecting insurance sector

By **CORRI FEIGE**
for Petroleum News

Summer, or some soggy, cool semblance of what we usually call summer, is upon us and Alaskans are eagerly watching the fruits of early gardening labor come to bloom – and fighting the constant battle of keeping the weeds from choking the life out of the beauty.

Last week, as I was debating if chickweed really could be considered "an edible bitter green" and therefore not have to be culled from the lettuce patch, a familiar quote came to mind – "a weed by any other name, is still a weed!"

Shortly thereafter, while enjoying a lunch salad (devoid of chickweed) and reading online new feeds, I caught a short piece in the New York Post, "ESG is on its way out – now that investors have been forced to wise up."

It's been several weeks since I have seen much in the popular press about "ESG" and its trajectory in the energy landscape – both conventional fossil fuel development and the energy transition arena – so this piece caught my interest. Especially the notion that ESG is on its way out.

I read with interest and learned that many in the financial

But never letting the facts get in the way of a good crisis, the stalwarts of the ESG movement, like its principal champion, Larry Fink, CEO of BlackRock, announced at a recent investment conference in Aspen that the term "ESG" will be dropped from their branding because the term has been "weaponized", and it brings "toxic" connotations.

sector are shunning ESG investments due to their lack of performance, many going so far as to call ESG investing a "fad" that was never really to be taken seriously.

Investment data supports this notion. In a recent study, the New York Stern School of Business found and reviewed more than 1,000 research papers on ESG. When it examined the results, it found 33% of the investor-focused studies showed positive outcomes for ESG-themed investments, and 67% showed neutral, mixed or negative results.

But never letting the facts get in the way of a good crisis, the stalwarts of the ESG movement, like its principal champion, Larry Fink, CEO of BlackRock, announced at a recent investment conference in Aspen that the term "ESG" will be dropped

from their branding because the term has been "weaponized", and it brings "toxic" connotations.

Yes, I would agree, losing money and having investment managers violate their fiduciary responsibility in favor of a political agenda is, in-deed, toxic! But instead of facing this reality, some 56% of the heretofore referenced "ESG Funds" will now be re-branding themselves as "thematic."

ESG isn't going away, it's just getting a makeover. As the chickweed in my garden can attest, a weed by any other name is still a weed. "ESG" or "thematic" – it's all bad for Alaska and the nation. Our nation's energy security and national security will suffer greatly, and Alaska will bear disproportionate harm in both.

It's oozing into insurance

First, let's talk about one of the latest directions that the ESG "theme" has turned in its attempts to stifle conventional energy development. Initially, it was focused on cutting off financing for fossil energy projects. Now it has oozed into the insurance sector, coverage that energy companies must carry.

Following the ESG financing movement and working through the UN-convened Global Financial Alliance for Net-Zero (GFANZ), the Net-Zero Insurance Alliance (NZIA) was convened in 2021 under the UN Environment Program's Principles for Sustainable Insurance Initiative, and it is a member of the Global Financial Alliance for Net-Zero (GFANZ). (GFANZ and its web of influence was the subject of a previous ESG OpEd published here in Petroleum News.)

Just like GFANZ, NZIA states it is "committed to transitioning all greenhouse gas emissions from its insurance and reinsurance underwriting portfolios to net-zero emissions by 2050.

In the fine print of the Statement of Commitment of Member Companies, they hide the fact that in order to achieve the goal of net-zero emissions by 2050, the UN Climate Panel has determined that there needs to be a "50% reduction in global greenhouse gas emissions by 2030." We've talked before about the infeasibility of that target.

Even with the very best of intentions, the world still has more than 1 billion people living in energy poverty who deserve better living conditions. And we have industrialized nations like China who see greater benefit – and possible strategic advantages – in not crippling their economies in support of a controversial and somewhat alarmist UN agenda.

Unless a company in any line of business is large enough to "self-insure," they must seek coverage in the insurance market. But when political agendas lean on the scale, it immediately places certain lines of business at a disadvantage in securing that coverage, especially if those businesses are not aligned with the politics. In this instance, conventional energy developers and any other business not aligned with the politics of ESG and net-zero targets are particularly disadvantaged, regardless of the value or importance of the end use of their products or services.

It is this blind allegiance to the ESG/net-zero/UN cause that is breeding the problem. So is the fact that these initiatives are being undertaken in the shadows, not in the bright light of day

Yes, I would agree, losing money and having investment managers violate their fiduciary responsibility in favor of a political agenda is, indeed, toxic!

where companies and consumers who will ultimately pay for this political agenda are made aware in real time.

Sounds like extortion

I know from discussions I have had with some Alaskan companies that they first learned of the new rules of the insurance game when they applied with their longstanding underwriters for renewal. Extra environmental policy riders were suddenly required without any forewarning. When queried by one Alaskan energy company with a spotless compliance and claims record, the response offered by the underwriter was essentially "pay it or we can't renew your policy."

The Oxford Dictionary defines "extortion" as "the practice of obtaining something, especially money, through force or threats." Sounds menacingly familiar, and illegal!

Treg Taylor among them – have been watching NZIA closely, analyzing their policy statements and asking questions. In May, the AGs sent a letter (see letter at <https://attorneygeneral.utah.gov/wp-content/uploads/2023/05/2023-05-15-NZIA-Letter.pdf>) to NZIA demanding information from more than 30 US-operating insurers about their commitments to NZIA, the related terms of membership that will require the insurers to meet overarching greenhouse gas reduction targets or press for reductions on a sector-by-sector basis, and mandates to increase the number of clients they have with net-zero strategies.

Violating laws?

These targets and requirements are a commitment of membership, and the insurer signs a document to that effect upon joining NZIA. That, according to the AGs, makes them more than just aspirational, and appears to be counter to both state and federal laws.

The AGs' primary concern is that the NZIA members have a considerable stake in the insurance industry and could have the ability to flex market power, influencing the entire insurance industry (anti-trust) and increasing costs (price-fixing), especially in the oil and gas, energy and transportation sectors. NZIA members could also violate state laws if they refuse to cover entities based upon their carbon emissions or compliance with the UN's Paris Agreement.

NZIA losing members

In response to the letter from the Attorneys General, some NZIA members immediately dropped out of the Alliance and others have followed their lead in the past month. A look at the NZIA website now shows just 12 members listed.

Even as the ESG/net-zero craze rebrands itself in an effort to hide its true intentions, the implications of these actions go far beyond conventional energy exploration and production.

The very framework of "energy transition" and its reliance on renewables will fall prey to the very same misguided policies that are hampering conventional energy development. At the very heart of energy transition is electrification.

Electrification will require a drastic increase in the amount of copper, nickel, cobalt, lithium, graphite and rare earth minerals in order to achieve even a fraction of the Biden administration's – and the UN's – stated energy transition goals.

These minerals and several dozen more are all part of a list of

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FEIGE ANALYSIS

minerals defined by the USGS as "critical minerals" – those minerals that serve an essential function in the manufacturing of a product, the absence of which would have substantial consequences for the US economy and/or national security interests.

If the US doesn't control the supply of these "critical minerals" or can't get them from friendly nation sources, then the "critical minerals" become what are called "strategic minerals."

According to the International Energy Agency (IEA), the future demand for the critical minerals necessary for electrification and energy transition will skyrocket. By 2040, IEA estimates a 700% increase in the demand for rare earth minerals, a 1,900% increase in nickel demand, a 2,500% increase in graphite demand, and a staggering 4,200% increase in lithium demand. And copper, perhaps the most important of all, is expected to see demand growth in the next 25 years equivalent to all of the copper mined on the planet over the last 5,000 years!

"ESG" or "thematic" — it's all bad for Alaska and the nation. Our nation's energy security and national security will suffer greatly, and Alaska will bear disproportionate harm in both.

China doesn't play well

But the US controls only a small fraction of the minerals required to meet this demand. China controls the vast majority of the world's critical mineral production and processing, the two essential pieces in the global critical mineral supply chain.

China has also demonstrated a willingness to flex their market muscle and either curtail exports or take production from competitors through predatory commercial practices when they believe it is in their interest.

This was demonstrated back in 2015 with the Mountain Pass Mine – a rare earth mine in California which China forced into bankruptcy by tanking commodity prices, only to then buy the company for pennies on the dollar and put it back into production.

And again, just last week when China announced that effective August 1, they would curtail exports of germanium and gallium – two minerals essential in the manufacture of semi-conductors and electronics in the US, Japan and South Korea.

So where, in the midst of the growing "cold war" posture between the US and China, will we get all of the critical minerals needed for the energy transition that the Biden administration is driving?

Canada and Australia will certainly be a part of that supply, but they are interruptible and can't fill the demand gap entirely. There has got to be a significant increase in US domestic production, and Alaska is unquestionably America's storehouse of critical and strategic minerals.

Alaska is already known for its world class endowment in zinc, copper, gold, silver and graphite. Alaska is currently North America's largest producer of zinc at the Red Dog Mine and is

home to one of the largest flake graphite deposits in North America, being developed at Graphite Creek near Nome.

Through either its existing mining operations or those in advanced stages of exploration, Alaska is either producing as by-product or has identified potentially economic accumulations of 32 of the 34 critical minerals on the USGS's most recent list.

Same poor policies

But what stands squarely in the way of Alaska realizing its mineral potential in support of energy transition goals are the very same Biden administration policies aimed at curtailing conventional energy supplies like oil and gas.

If the proponents of ESG financing limitations and net-zero emissions goals are to stay true to their cause, they would be required to refuse financing and insurance coverage to mineral development operations taking place in support of energy transition because mining is not a net-zero activity – anywhere!

Most new mining activities of sufficient size and economy to support the demands of energy transition will take place in locations well away from populations centers, in areas with limited infrastructure like northern Canada and Alaska.

Merely expanding existing mines or trying to "mine" landfills as many have off-handedly proposed, are oversimplified notions that don't reflect ore deposit geology, economics or even come close to meeting the mineral demand imposed by energy transition and net-zero goals.

This lack of infrastructure and available power production in the vicinity of new mines will mean that power for the operations will need to be generated on or near site, just as is the case with oil and gas development on Alaska's North Slope.

That power generation and the mining equipment itself will count against the project's total emissions in the eyes of the ESG financiers and the insurance companies married to the ESG "thematic" investments.

The same will be true of the processing refineries necessary to convert the mined minerals into a usable product, ready for consumption by the manufacturing industry. All will carry an inherent emissions profile that will exceed the criteria being applied to conventional energy investments.

In the fine print of the Statement of Commitment of Member Companies, they hide the fact that in order to achieve the goal of net-zero emissions by 2050, the UN Climate Panel has determined that there needs to be a "50% reduction in global greenhouse gas emissions by 2030."

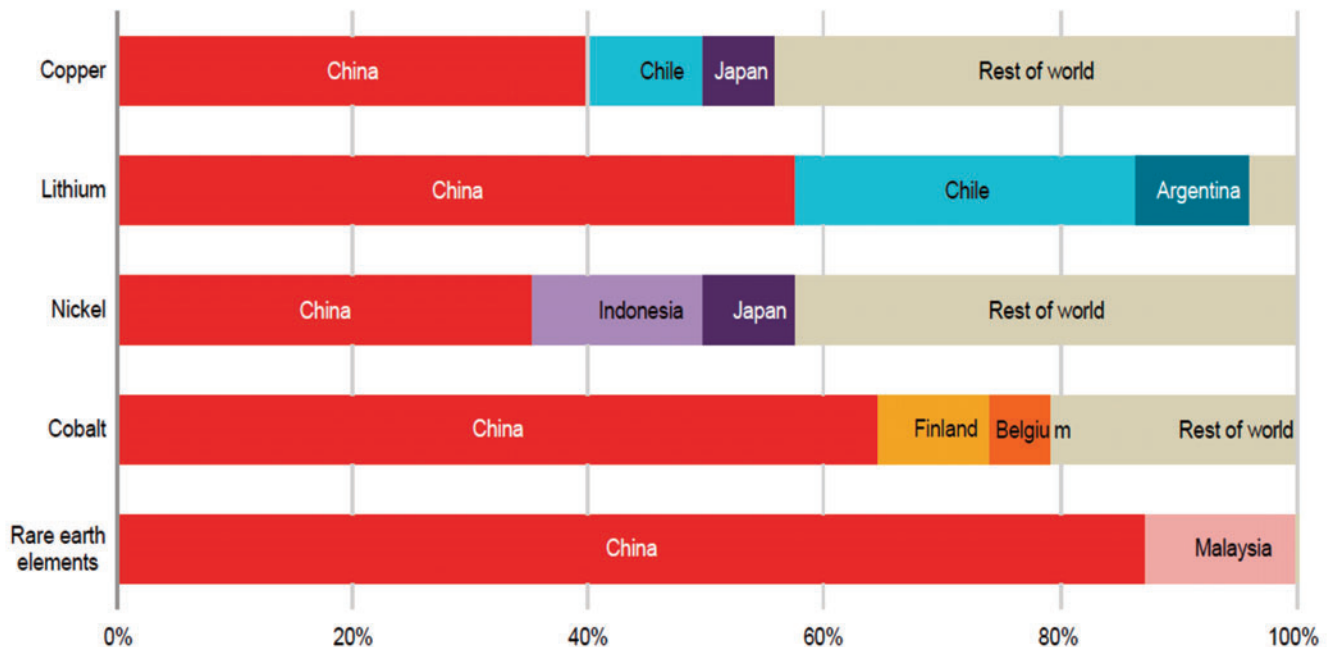
Driving industry to third world

Yet, the energy transition so critical to the Biden administration and the environmental community won't be put off and will doggedly pursue the minerals needed for success. That push, combined with the lack of financing caused by misguided ESG policies, will result in driving investments away from modern, well-regulated, environmentally responsible mining jurisdictions like Alaska and even Canada, and into places like Africa, Indonesia, China or possibly even Russia, current geopolitical unrest aside.

So, are the Biden administration and their ESG cronies really

The level of concentration is similarly high for processing operations, with China's significant presence across the board

Share of processing volume by country for selected minerals, 2019



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willing to trade modern, environmentally and socially responsible mining for minerals sourced from countries adverse to US interests or from places where children and the desperately poor are used to mine ores in unsafe, archaic operations?

Based upon their policies and unenthusiastic approach to fixing problems with the federal permitting process that plague both energy and mineral development in the US, it appears they are. Where is equity or social justice in that?

High level regulatory oversight

Just as with the oil and gas industry in Alaska, the mining industry here is subject to the high level of regulatory oversight and environmental scrutiny.

Mines in Alaska, just like our oil and gas operations, successfully tackle some of the most challenging and dynamic operational conditions in the world. Our industries have demonstrated unique capabilities to innovate and craft solid engineering solutions to the issues that present themselves, reducing risks and increasing operational integrity.

Those learnings don't just stay in Alaska, either. They are shared between company operations and ultimately the broader global industry, setting the standard for the next generation of operations and continuing to reduce risks to people and the environment. This is exactly the arena in which the US and our financing sector should be making it easier to invest and underwrite – not harder.

True energy transition can only occur where we have sufficient, secure mineral supplies to build and deploy optimized energy systems, and sufficient conventional energy supplies to allow the tran-

Note to readers

Enjoy this series of articles from Corri Feige for Petroleum News? Watch for more in our weekly newspaper. For more information visit www.petroleumnews.com

sition to happen logically and systematically. We simply can't have one without the other.

Energy surplus necessary

In order to achieve real decarbonization, if that is truly the goal of the current administration and the United Nations, we need first to have an energy surplus, not energy shortfalls and crises.

Alaska can and will be a part, once again, of America's new energy future, just as we were back in the 1970's. It took grit and vision back then, and it will again this time. Alaskans are up to the challenge, but we have to ask ourselves whether or not our country, as a whole, will have the visionary leadership in Washington, DC necessary to deliver the clear, honest policy direction required.

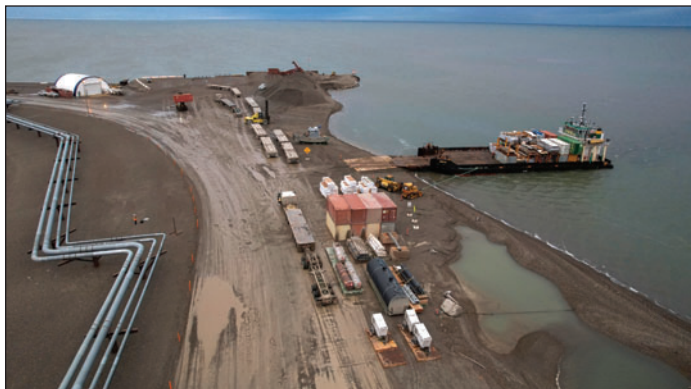
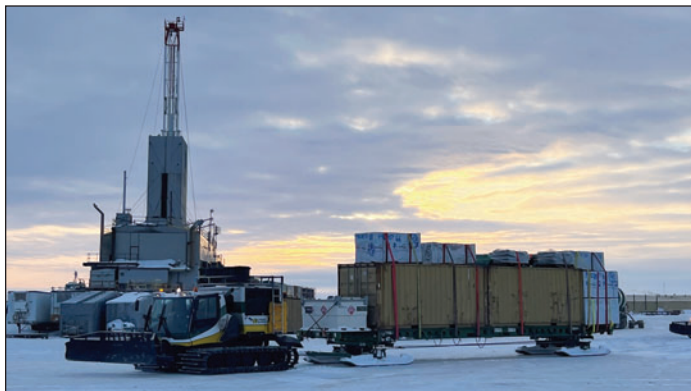
These are not just energy issues or mining issues; these are serious issues central to both the US economic well-being and our national security. With another election cycle just ahead, I think it's time to do some serious weeding in the DC garden. ●

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ON THE JOB: Lynden

Photos courtesy Lynden

Lynden: Your Key to the North Slope



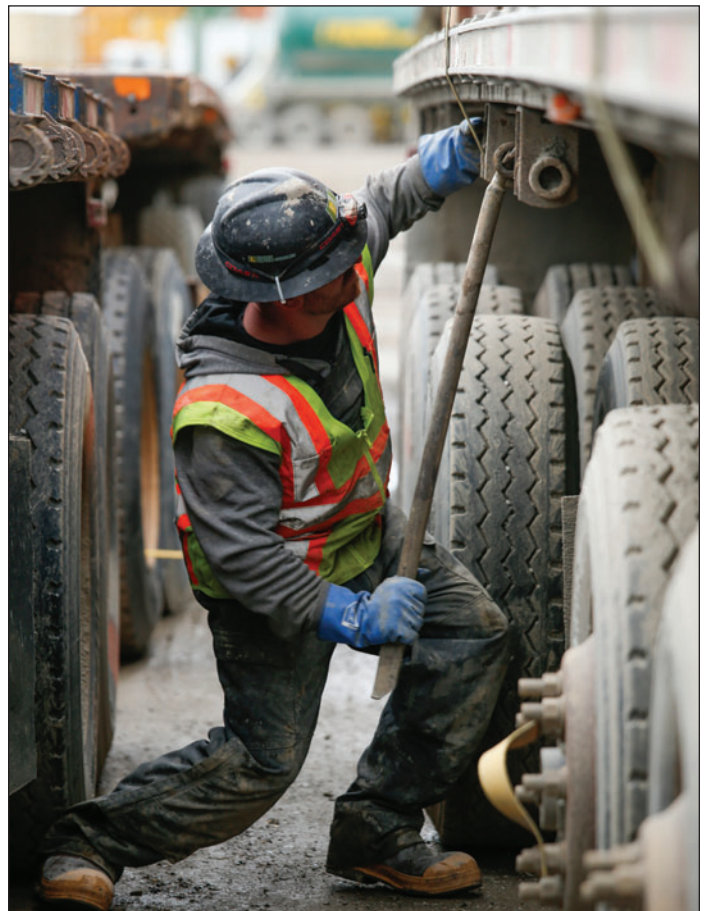


LYNDEN OILFIELD SERVICES™

From the Trans-Alaska Pipeline construction in the 1970s to today's global oil field operations and exploration, Lynden has a long history of supporting the oil and gas industry in Prudhoe Bay.

Transportation and logistics are critical to the activity on the North Slope. Utilizing the full capabilities of the Lynden family of companies, Lynden Oilfield Services provides multi-modal air, sea and land services including heavy haul options for drilling contractors, chemical suppliers, camp support, construction and all phases of resource activity throughout the North Slope and offshore Alaska. Heavy haul and oversized loads such as camp modules, process modules, drill rigs, pipe, bulk liquids and bulk dry product are regularly moved to the North Slope from locations around the world.

With an established operating base in Deadhorse, Lynden Oilfield Services has both the equipment and experienced on-site staff to ensure logistics – including last mile services – are completed efficiently and according to plan.



COMPANY NEWS *in brief*

COURTESY GCI



GCI fiber in three more Aleutian schools, clinics

GCI said July 21 that its crews have successfully launched fiber-optic connectivity for the schools and clinics in King Cove, Sand Point and Akutan. This marks a major milestone in the company's AU-Aleutians fiber project, which will connect a dozen Aleutian, Alaska Peninsula and Kodiak Island communities to GCI's 6,000+ mile subsea fiber-optic network.

Bringing fiber to some of the state's most-remote education and healthcare facilities is a significant step toward closing the digital divide in rural Alaska.

"Imagine even one day without students having access to media-rich learning materials or educational videos in the classroom or a doctor being unable to quickly exchange information with specialists in other parts of the state," said Vice President of GCI healthcare and education Annette Jones. "For most of us, it's unthinkable. Now, healthcare professionals and educators in these three communities will have ready access to the resources those in urban areas have long taken for granted."

GCI crews are currently preparing for the launch of residential 2.5 gig internet speeds in King Cove and Sand Point. The service, which is expected to be available to customers by the end of 2023, will bring urban speeds, plans, pricing and unlimited data to both communities.

"Our crews are working hard and we're on track to meet our end of 2023 deadline to launch 2.5 gig residential internet speeds to the residents of King Cove and Sand Point," said GCI Senior Project Manager Mike Bertsch. "Our crews are currently deploying fiber-optic cable throughout the thousands of feet of conduit installed in both communities."

The AU-Aleutians Fiber Project runs approximately 800 miles from Kodiak along the south side of the Alaska Peninsula and the Aleutians to Unalaska. The project, which currently delivers 2,500 Mbps residential internet speeds to Unalaska, will bring urban speeds, plans and pricing to King Cove, Unalaska, Sand Point, Akutan, Chignik Bay, Chignik Lake, Chignik Lagoon, Cold Bay, Larsen Bay, False Pass, Ouzinkie and Port Lions. For more information visit www.gci.com.

Airgas strategically adds argon storage capacity

Airgas, an Air Liquide company, said recently that it has installed two strategically located argon storage nodes to further strengthen the argon supply chain for its customers, who use argon in automotive and aeronautical, electronic, manufacturing and metal fabrication applications.

The argon nodes were completed in late 2022/early 2023, and are in Moraine, Ohio, and Guilderland, NY. Both store enough argon to fill around 40 tanker trucks each. Airgas will be installing a third Argon node, which is expected to be operational by the end of this year.

These storage relays provide more flexibility in argon distribution by moving more Airgas product inventory closer to customers and were added in response to recent rail transportation delays and logistics challenges. Airgas continues to take action as a company to minimize supply chain disruption effects, safely enhance essential operations and meet customer needs throughout the country. For more information visit www.airgas.com.

Two national safety awards for Alaska West Express

As reported by Lynden News July 25, Alaska West Express received two awards from the American Trucking Association at their spring Safety, Security and Human Resources conference in Minneapolis. The awards recognize the employees of Alaska West Express for their commitment to safely and professionally operating on a day-to-day basis. The line haul operations team received first place in their mileage class, and the local haul operations team received second place. The Safe Fleet Awards represent best-in-class performance against Alaska West Express' North American peers.

"This award represents the professionalism of every Alaska West Express employee and their commitment to performing each task safely. It truly is a team effort that the whole Alaska West Express team should be proud of," said Tyler Bones, director of HSSE. The award criteria process evaluated all aspects of Alaska West Express' operations from equipment maintenance, hiring and technology used to make the fleet safer, to Department of Transportation inspections and accident/injury investigations. "It is a very thorough process that took a couple of weeks to work through. ATA digs into all aspects of the business to make sure that the winning fleets truly deserve the award," Tyler said.



COURTESY ALASKA WEST EXPRESS

Coffman Engineers awarded Atigun Award for Teamwork

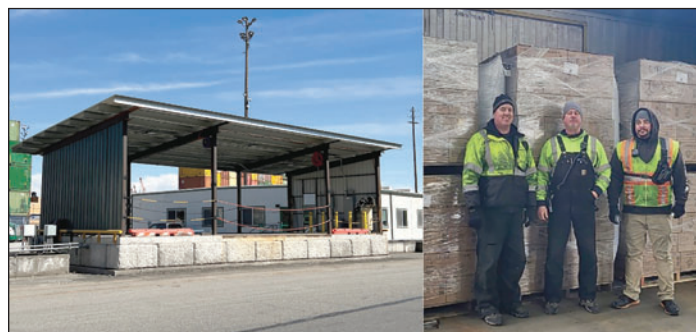
Coffman Engineers Inc. said July 17 that it congratulates the Anchorage civil and corrosion control engineering groups for being a part of the team that received Alyeska Pipeline Service's Atigun Award for Teamwork.

Coffman played an integral role on the team that earned the award for their role in the mainline integrity investigation project at pipeline Mile Post 781.14 of the 800-mile Trans-Alaska Pipeline that transports oil from Prudhoe Bay on the North Slope to Valdez.

Alyeska's Atigun Award recognizes people, teams, and their work to make the Trans-Alaska Pipeline System and those around it safer and more efficient, responsible, and innovative.

The long-anticipated pipeline integrity investigation project took place above Keystone Canyon, just north of Valdez, under challenging conditions. The investigation required a deep excavation in an area with steep terrain and loose ground with a pipeline depth of cover of more than 40 feet. Other challenges included unknown subsurface water conditions, inclement weather, and lengthy and steep site access. Through the efforts of all involved, the investigation was completed safely, on time, and without environmental issues.

COURTESY ALASKA MARINE LINES



Alaska Marine Lines introduces new Seattle rail dock

As reported by Lynden News July 5, Alaska Marine Lines has launched a new rail service dock in Seattle to accommodate seafood shipments from Alaska to Lower 48 destinations in response to the growing demand for service from Alaska pollock producers. Much of the pollock was previously routed on vessels that offloaded in Bayside, New Brunswick, Canada, then a short rail trip within Bayside, followed by trucking to eastern U.S. destinations.

The new dock provides a reliable and efficient shipping solution for seafood companies in Alaska. Designed to handle transfers from containers to refrigerated rail cars, it streamlines the transportation process and enables customers to gain access to inter-modal service options.

At Lynden, fish season is an 'all-hands-on-deck' event typically lasting from May through October, and the 2023 season is now under way. Alaska Marine Lines' first Western Alaska barge of the season set sail from Seattle on May 5 carrying dozens of fishing boats destined for Dutch Harbor, Dillingham and Naknek. Each year, Lynden Air Cargo flies fresh fish from Naknek or Dillingham, Sand Point and Cold Bay to Anchorage where Lynden Logistics arranges

COMPANY SPOTLIGHT

PND Engineers Inc.

Founded in 1979 and headquartered in Anchorage, Alaska, PND Engineers Inc. is a dynamic civil engineering firm with more than 100 full-time employees, over half of whom are professionally licensed engineers and surveyors.

PND provides a diverse package of engineering services, including general civil, structural, geotechnical, marine, and coastal engineering; land surveying; hydraulics and hydrology; sanitary/wastewater; value engineering; inspection; quality assurance; construction engineering; cost administration; fabrication inspection; permitting; right-of-way acquisition; site remediation; pollution control; demolition; and in-house research and development.

Taylor Mortensen, EIT, PND staff engineer

PND staff engineer Taylor Mortensen, EIT, joined PND in 2019 after graduating from Montana State University with a B.S. in civil engineering. Prior to attending college, Mortensen was a P-3 flight engineer with the U.S. Navy.

His current role at PND is structural engineering, and he also serves as the project manager for the majority of bridge and infrastructure inspections performed on the North Slope.

Mortensen's goal is to continue to expand PND's bridge and structural inspection department, specifically utilizing his rope access inspection qualifications.



TAYLOR MORTENSEN

flights for air delivery all over the world. Once seafood arrives in Seattle or Fife, Lynden Transport and LTI, Inc. move seafood from destinations using the I-5 corridor.

According to Tyler Maurer, Alaska Marine Lines' seafood sales manager, on average, Lynden moves 10,000 containers of fish each year from Alaska to Seattle and Dutch Harbor. In addition to fresh seafood moving by Lynden Air Cargo and Lynden Transport, Alaska Marine Lines moves frozen and canned fish from Naknek, Dutch Harbor, Kodiak, Cordova, Valdez, Dillingham, Sand Point, Southeast Alaska and False Pass.

Alaska Marine Lines moved about 5.5 million pounds of pollock and cod across the country from January to May and is anticipating moving even more than that from June to October.

Kris Miller promoted to president of MSI Communications

MSI Communications said June 22 that it is proud to announce the promotion of Kris Miller to president of the agency.

Continued on next page

Miller has been with MSI for over a decade and most recently served on the executive team as vice president of client services. There, she has been instrumental in the growth and success of the company, especially in the development of the firm's corporate culture, and the design and implementation of strategic communications plans for some of the best-known brands in Alaska.

"Kris brings energy and a positive attitude to every project, every time. Her leadership and dedication have been instrumental in the growth and success of the company," said CEO/Owner Laurie Fagnani. "Kris is well respected by the team and clients alike for her unwavering commitment to excellence and her ability to build strong relationships."

In her new role, Miller will be responsible for agency operations and business success while continuing to serve as the account supervisor for the agency's largest clients. Fagnani will become chief executive officer and focus on business growth strategies and client relationships.

"This has been an awesome ten years. I work with the most talented team of creative professionals, I have the best clients and I am ready for the next challenge of leading the agency," said Miller. "I am grateful to take on this role with our leadership team right by my side."



KRIS MILLER

AML donates freight for U.S. Hunger project in Hawaii

As reported by Lynden News June 23, earlier this year, 100,000 red jambalaya meals were packaged for families fighting food insecurity in Maui. Aloha Marine Lines donated transportation of a 20-foot container from Seattle to Maui filled with dry groceries and packaging materials for the meal-preparation event organized by nonprofit U.S. Hunger, formerly known as Feeding Children Everywhere. According to Ben Owens, Intermodal Coordinator, Aloha Marine Lines was happy to help. "We will also provide transportation of the packaging materials back to Seattle," he says.

"We want to thank Lynden for their generous donation and for helping us get these much-needed meals to the island. It goes a long way in our organization to help drive our mission forward, and it is truly appreciated," says Brandon Baker, U.S. Hunger vice president of finance and operations. This isn't the first time a Lynden company has assisted the organization. In 2019, Lynden Logistics employees gathered for a meal assembly event in Seattle.

ABR welcomes Jojo Baldus and Isabel Eaton to its team

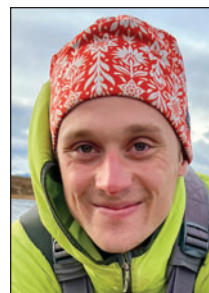
ABR Inc. said June 12 that it is pleased to announce the addition of Jojo Baldus and Isabel Eaton to its team.

Baldus is joining ABR's fisheries and aquatic ecology program. He has an array of field and lab research experience in aquatic ecology and the earth sciences. Most recently, he has led extensive stream and lake sampling on the North Slope as part

of a long-term, nationwide ecological monitoring project. Baldus also brings a complementary background in sedimentary geology and GIS to the aquatics team.

Eaton is joining ABR's land rehabilitation program. As a plant ecologist, she

has spent the past several years doing field work in Alaska, including north of the Brooks Range. She also has experience in database management and working with large data sets. Eaton's current work with ABR focuses on land rehabilitation projects on the North Slope and at the Red Dog Mine, and she will assist the other work around the state.



JOJO BALDUS



ISABEL EATON

Airgas announces dry ice production system upgrade

Airgas, an Air Liquide company, said June 22 that it has recently completed installation of its new dry ice production equipment, replacing its nearly 60-year-old system.

The new equipment is state-of-the-art and will more than double production capacity to nearly 20,000 pounds per day. It also allows the company to produce more size options. Airgas will now offer four sizes: 11 pound block, 1/8 pellet, 5/8 pellet and a 2 pound individually packaged wafer. With the additional capacity, Airgas will begin to offer dry ice at four of its local branches - Anchorage, Fairbanks, Wasilla and Kenai. "Airgas is the only producer of dry ice in Alaska and this upgrade was long overdue given the increasing demand we've seen in the marketplace," said BJ Murdock vice president-Alaska, NorPac region.

For more information or to locate a branch near you visit <https://www.airgas.com/>.

Spence Carter joins Coffman Engineers

Coffman Engineers Inc. said June 15 that it is pleased to welcome Spence Carter to its fire protection team.

Carter has 10 years of experience as a fire protection engineer in the oil and gas and nuclear industries. He is a licensed professional engineer in fire protection in Idaho and earned his B.S. in fire protection and safety technology from Oklahoma State University.

In his last role at the Idaho National Laboratory, Carter was the fire protection engineer at the advance test reactor facility, which provides national priority nuclear fuel and materials testing capabilities. He oversaw the inspection, testing, and maintenance programs for fire suppression and detection systems, as well as fire hazard analyses.

His other experience includes fire and gas engineering for BP Alaska and serving as an owner-operator representative in the capital projects group. He has also performed sprinkler system



SPENCE CARTER

design engineering with Bechtel at the Y-12 DOE National Nuclear Security Administration facility in Tennessee.

At Coffman, Carter will support oil and gas industry fire protection engineering projects as well as other clients and industries. "Spence's experience adds depth to our fire protection capabilities, and we are excited to have him on our team," said mechanical principal, Brent Little, PE.

ABR Inc. welcomes Zach Huff to its team

ABR Inc. said June 12 that it is thrilled to welcome Zach Huff to its team.

Huff brings more than 10 years of experience as an environmental specialist, focusing on environmental permitting and impact assessments under NEPA. He earned his B.S. in civil engineering from the University of Alaska Anchorage in 2010 and soon after began working in the environmental regulatory field.

Huff's recent project experience includes work on several North Slope environmental impact statements, and he was the permit coordinator for the Ambler Road Project, helping develop a nearly 2,000-page, multi-agency permit application package. Welcome to the team!



ZACH HUFF



COURTESY LYNDEN

Lynden delivers affordable housing to North Slope

As reported by Lynden News June 6, wrapped up its 2023 season with record performance from the PistenBully Deadhorse team. "We have moved cargo for oil and gas projects and North Slope villages as far away as Point Lay this year which is 990 tundra trail miles roundtrip from Deadhorse and about 8 days in transit," says Roger Wilson, Business Development Manager.

The Point Lay project delivered materials for six new affordable housing units to the village. The units are critically needed as Point Lay has only 67 houses for its almost 400 residents. Five more units will be built in Kaktovik, Nuiqsut and Wainwright over the next two years to provide housing to about 50 people. trucked the materials from Anchorage to Deadhorse

and the PistenBully Snowcats towed them the final miles. In rural Alaska about a quarter of homes are overcrowded; in Point Lay, the rate is more than 73 percent. "Nowhere is the need for new safe, decent, and affordable housing more clear than in Point Lay," says Griffin Hagle-Forster, executive director of Ta i-u miullu Nunamiullu Housing Authority, the organization responsible for the affordable housing project.

Lynden also completed the IKO Bay P&A project which consisted of 10 loads to support a small drill rig move from Palmer, AK to the Slope. The materials were loaded directly to 53-foot platforms for Lynden Transport trucking to the North Slope where they were transferred directly to a sleigh for PistenBully towing to the remote drilling site.

"These projects are clear examples of how challenging logistics in the Arctic can be," says Paul Frieze, Lynden Transport Vice President, Alaska Sales. "No one else on the planet can do this type of work in the North Slope region. Lynden's combination of relationships and leveraging our specialized equipment to do this work creates a unique One Lynden experience for our customers."

ASTAC goes unlimited

Arctic Slope Telephone Association Cooperative Inc., the North Slope provider of choice, said May 30 that it is proud to announce the launch of its groundbreaking unlimited internet to their membership, ushering in a new era of limitless connectivity. Additionally, ASTAC is lowering plan rates and releasing elder plans to provide increased affordability to its members.

Speaking about the launch, ASTAC CEO/General Manager Jens Laipenicks said, "At ASTAC, we believe that access to the internet is a fundamental right for all. Our unlimited internet plans represent a significant step towards eliminating the digital divide and empowering individuals, families, and businesses with seamless, unrestricted connectivity. We are excited to bring this transformative offering to users and revolutionize the way people connect, collaborate, and innovate."

ASTAC's unlimited internet plans are designed to provide users with unrestricted access to the vast resources of the online world, eliminating the barriers and limitations that have hindered internet usage in the past. With these plans, users will no longer have to worry about data caps, speed throttling, or additional charges for exceeding their allocated bandwidth. ASTAC's commitment to democratizing internet access ensures that all users can fully explore and engage in the digital realm without constraints.

"ASTAC is very pleased to bring the fastest, most reliable and high throughput internet services to these North Slope communities in the new unlimited capacities," said ASTAC Senior Customer Experience Manager Ashlee Bobbitt. "Our team is dedicated to bringing our membership a Top of the World connection and lead the way in unlimited and fiber services."

The cooperative has made tremendous technological improvements in its over 40 years in business. From providing basic landline service to dial-up Internet and now providing unlimited internet in the most northern area of the world, ASTAC will continue to improve the telecommunications services for its members. ASTAC's unlimited internet plans are now available for subscription, offering users an unparalleled online experience. To learn more visit astac.net/internet.

Continued on page 44

Contact: Wyche Ford, President
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 Phone: (907) 273-3900
 Fax: (907) 273-3990
 Website: www.nanaworleyparsons.com
NANA Worley provides multi-discipline engineering and design, project management, procurement, project controls and construction management for various industries including hydrocarbons, mining infrastructure, and power industries. NANA Worley also has a subsidiary, Kairos, LLC that focuses on innovative solutions for our customers, and has developed and patented a lease-based Mobile Arctic Production System, "MAPS".

PND Engineers Inc.

1506 W 36th Ave.
 Anchorage, AK 99503
 Contact: Jim Campbell, P.E., president
 Contact: Dempsey Thiemann, P.E., senior vice president
 Phone: (907) 561-1011
 Fax: (907) 563-4220
 Other Offices: Palmer, Juneau, Seattle, Portland, Houston and PND Engineers Canada (Vancouver)
 Website: www.pndengineers.com
Innovative design solutions in ice engineering, arctic hydrology, permafrost engineering, and Arctic geotechnical engineering, including bridges, ports, buildings, roads, airfields, offshore islands, and oilfield development.

Buildings – Lease

Alaska Dreams, Inc.

2081 Van Horn Rd., Suite 2
 Fairbanks, AK 99701
 Contact: Meini Huser, President/CEO
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 Anchorage Office Phone: (907) 646-1219
 Fax: (907) 455-7713
 E-mail: info@alaskadreamsinc.com
 Website: www.alaskadreamsinc.com
Alaska Dreams, Inc. specializes in the design, supply and construction of steel-framed, fabric covered buildings for commercial and industrial applications. Alaska Dreams, Inc. is also a Varco Pruden metal building supplier and constructor, offering a complete line of engineered, clear span, fully-customized buildings that are able to meet any Alaska requirements.

Buildings – Modular

Alaska Dreams, Inc.

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 Fairbanks, AK 99701
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 Anchorage, AK 99503
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 Fax: (907) 275-2919
 Website: www.calistacorp.com
Calista is the parent company of more than 30 subsidiaries. In terms of land area and Shareholder base, Calista is the second largest of the Regional Alaska Native corporations established under ANCSA in 1971. Like us on Facebook www.facebook.com/calistacorporation and follow us on Twitter twitter.com/calistacorp

Colville

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 Brad Osborne, COO
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 Contact: Cheyenna Kuplack, Communications Manager
 Phone: (907) 459-2097
 Fax: (907) 459-2060
 Email: kuplackc@doyon.com
 Email: communications@doyon.com
 Website: www.doyon.com
Doyon, Limited is the regional Native Corporation for Interior Alaska. Operating more than a dozen for-profit companies, Doyon, Limited is a distinct driver of hundreds of jobs in Alaska and beyond. Our companies blend expertise and technological muscle in support of smooth, safe and successful operations in the North Slope oil fields.

NMS (NANA Management Services)

800 E. Dimond Blvd., Suite 3-450
 Anchorage, AK 99515
 Contact: Jason Carlson, V.P. of Ops., Camp Services
 Phone: (907) 273-2468
 E-mail: jason.carlson@nmsusa.com
 Website: www.nmsusa.com/
NMS' mission is to provide management and support services at a level of quality, value, safety, and expertise beyond our client's expectations. We are an Alaska Native-owned Minority Business Enterprise. Our award-winning camp services teams provide food and facilities management, security, housekeeping and janitorial, billeting, commissary management, water and wastewater services and logistics support.

Nordic-Calista LLC

375 West 36th Ave., Ste. 300

Anchorage, AK 99503
 Phone: (907) 561-7458
 Fax: (907) 563-8347
 Contact: Udo Cassee
 E-mail: udo.cassee@nordic-calista.com
 Website: www.nordic-calista.com
Nordic-Calista Services is an experienced drilling and workover company operating primarily on the North Slope of Alaska. In addition, we provide contract labor and mobile camp leasing services.

Cellular Communications

Arctic Slope Telephone Association Cooperative, Inc.

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 Contact: Rebecca Sparks, External Relations Manager
 Phone: (907) 564-2643
 Email: rebecca@astac.net
 Website: www.astac.net
ASTAC's Nomadic WAN and high-speed Internet service using the North Slope's only private LTE network covering the oil fields, helps clients meet their diverse bandwidth needs. In January 2021, ASTAC was the first to provide 4G LTE coverage from the Brooks Range to Deadhorse where no other coverage had existed previously.

GCI

2550 Denali Street, Ste. 1500
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 Contact: Bryan Arnold, Major Account Manager
 Email: barnold1@gci.com
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GCI provides technology solutions to meet the complex challenges facing Alaska's energy sector. Our resilient fiber and LTE networks, including the only redundant fiberoptic network to the North Slope, help clients meet growing highspeed bandwidth needs. With more than 3.4 million hours with no LTA, we operate safely in challenging landscapes.

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4300 B St., Ste. 501
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 Contact: Rebecca Sparks, External Relations Manager
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GCI

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 Major Account Manager
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GCI provides technology solutions to meet the complex challenges facing Alaska's energy sector. Our resilient fiber and LTE networks, including the only redundant fiberoptic network to the North Slope, help clients meet growing highspeed bandwidth needs. With more than 3.4 million hours with no LTA, we operate safely in challenging landscapes.

North Slope Telecom Inc.

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 Anchorage, AK 99507
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 Phone: 907.751.8200
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 Website: www.NSTIAK.com
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 Phone: (907) 250-1533
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Construction Equipment

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 E-mail: info@alaskadreamsinc.com
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 Operation Mgrs.
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 Fax: (907) 670-5156
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Denali Industrial Supply, Inc.

PO Box 60129
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 Contact: Gary Swoffer, President
 Phone: (907) 907-452-4524
 E-mail: gswoffer@denali-industrial.com
 Anchorage Office:
 4901 Fairbanks Street
 Anchorage, AK 99518
 Contact: Kyale Swensen, Area Manager
 Phone: 907-770-1274
 E-mail: kswensen@denali-industrial.com
 Website: www.Denali-Industrial.com
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 Phone: (907) 290-0207
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 Website: www.torcsill.com
TorcSill is a fully integrated provider of deep foundations utilizing helical pile technology. Services include engineering & design, fabrication and installation. Innovative solutions for seismic concerns, frost heaves, poor and unknown soil conditions, flooding/washouts and contaminated soils. Environmentally friendly with small installation footprint, reusable/recyclable. TorcSill Foundations owns and operates a 15,000 sq ft steel MFG facility, creating a complete streamline from TorcSill to client, cutting time delays in procurement and logistics.

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 Anchorage, AK 99509
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 Phone: 907-351-8089 cell
 Email: john@alaskamaterials.com
 Website: www.alaskamaterials.com
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Alaska Materials provides "direct-ship" wholesale materials anywhere in Alaska. Whether its Rig Mats to the North Slope, or a barge load for a village school, our broad inventories, distribution network, and consolidation services provide quick response times. Specializing in truckload quantities of tim-

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 Contact: Dempsey Thieman, P.E., senior vice president
 Phone: (907) 561-1011
 Fax: (907) 563-4220
 Other Offices: Palmer, Juneau, Seattle, Portland, Houston and PND Engineers Canada (Vancouver)
 Website: www.pndengineers.com
PND provides full service civil engineering design and construction project management services, including contract administration and construction inspection for the oil and gas industry.

PRA (Petrotechnical Resources of Alaska)

3601 C St., Ste. 1424
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 Contact: Tom Walsh
 Phone: (907) 272-1232
 Fax: (907) 272-1344
 E-mail: info@petroak.com
PRA provides project management services for construction and drilling projects across Alaska, for a broad base of clients and a diverse array of projects.

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 Phone: (907) 245-4230
 Email: Kirsten.ballard@nortechengr.com

Website: www.nortechengr.com
C-Plans, SPCC Plans, State of Alaska approved Oil Spill Primary Response Action Contractor, ICS staffing and training, API Certified 570 and 653 Inspections, HSE and waste management Programs, Permitting, Graphic Information Systems (GIS), and NORTECH provides Environmental Engineering, Certified Industrial Hygienist, Spill Response and Contaminated Site Remediation, SWPP Plans, Sanitary Surveys, Occupational Health investigations, Safety Training, Mold and Asbestos assessment, and more.

Coffman Engineers

800 F Street
 Anchorage, AK 99501
 Contact: Tom Looney
 Phone: (907) 276.6664
 Email: looney@coffman.com
 Website: www.coffman.com
Coffman Engineers provides clients with the most practical solutions that align with real-world applications of systems and equipment. Our consultation, analyses, and recommendations are backed by 42 years of experience as a multidiscipline engineering firm with services in civil, structural, mechanical, process, electrical, instrumentation and controls, fire protection, commissioning, corrosion control, and alternative and renewable energy.

Computing Alternatives, Inc.

5701 Silverado Way, Ste I
 Anchorage, AK 99518
 Contact: Sunil Sethi, President
 Phone: (907) 644-4522
 Fax: (907) 644-4523
 E-mail: ssethi@computing-alt.com
 Website: www.computing-alt.com
Computing Alternatives, Inc. (CAI) provides IT consulting services including Custom Web, Desktop & Mobile apps, IT Business Analysis, Database Design & Modeling, Microsoft Server Maintenance, SQL Server Database Administration, Oil & Gas Risk Assessment and Regulatory Compliance Tools, Revenue Taxation and Hospitality Systems.

Doyon Anvil, LLC

509 W. 3rd Avenue, Suite 200
 Anchorage, AK 99501
 Contact: Terry Caetano, President and General Manager
 Phone: 907.677.3021
 Email: tcaetano@anvilcorp.com
 Website: www.doyonanvil.com
Doyon Anvil, LLC, a joint venture between Doyon Emerald Services and Alaska Anvil, provides a full suite of multi-discipline engineering and design, process safety/risk management, procurement, and project management to the oil and gas industry, including production, transportation, and refining.

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4060 B Street, Suite 200
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 Phone: (907) 891-7270 Direct
 Phone: (907) 344-3448 Main
 Email: swalker@owlrighdenrc.com
 Other office: 2311 Sheldon Ave., Suite A
 Fairbanks, AK 99701
 Website: www.owlrighdenrc.com
Owl Ridge formed in 2012 to provide a full range of environmental consulting services. We apply our technical knowledge, innovation, sociocultural awareness, and effective communication to find responsible solutions that recognize the unique aspects of each project and balance the interests of our clients and the natural environment.

PRA (Petrotechnical Resources of Alaska)

3601 C St., Ste. 1424
 Anchorage, AK 99503
 Contact: Tom Walsh
 Phone: (907) 272-1232
 Fax: (907) 272-1344
 E-mail: info@petroak.com
PRA's multidisciplinary staff of highly experienced professionals possess a diverse array of technical capabilities to provide our clients with a full spectrum of geoscience, engineering, project management, and management consulting services. We can work as embedded temporary employees, as individual contributors, or as integrated teams to address a multitude of oil and gas issues.

Strategic Action Associates

P.O. Box 112546
 Anchorage, AK 99511
 Contact: Steve Sutherland, Owner
 Phone: (907) 250-1533
Strategic Action Associates provides strategic consulting and execution services for companies looking to enter, expand and enhance operations in Alaska. Writing and Communications; External Affairs; Scouting; Logistics; Photography; Negotiations; Acquisitions and Strategic Operations. Your guide to success in Alaska.

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 Fairbanks Office Phone: (907) 455-7712
 Anchorage Office Phone: (907) 646-1219
 Fax: (907) 455-7713
 E-mail: info@alaskadreamsinc.com
 Website: www.alaskadreamsinc.com
Alaska Dreams, Inc. specializes in the design, supply and construction of steel-framed, fabric covered buildings for commercial and industrial applications. Alaska Dreams, Inc. is also a Varco Pruden metal building supplier and constructor, offering a complete line of engineered, clear span, fully-customized buildings that are able to meet any Alaska re-

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 Phone: (907) 562-5303
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 Anchorage, AK 99503
 Contact: Mike Colombie
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 Fax: (907) 278-4401
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 Fax: (907) 746-5557
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Email: info@nstiak.com
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Fax: (907) 522-2541

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Phone: (907) 278-4400 • Fax: (907) 278-3255
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Other Offices:
Houston, TX
Nisku, Alberta, Canada
EPC contractor performing oil field support,

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Corrosion Analysis

Acuren

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Fax: 907-569-5005
Email: tthorson@acuren.com
Website: www.acuren.com
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11500 C Street, Suite 200
Anchorage, AK 99515
Contact: Ron Wilson
Phone: (907) 563-5530
Fax: (907) 561-8986
E-Mail: rwillson@doyondrilling.com
info@doyondrilling.com
Website: www.doyon.com
Doyon Drilling, a leader in Arctic drilling, provides drilling and casing services on Alaska's North Slope.

Doyon, Limited

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Fairbanks, AK 99701
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Fax: (907) 459-2060
Email: kuplack@doyon.com
Email: communications@doyon.com
Website: www.doyon.com
Doyon, Limited is the regional Native Corporation for Interior Alaska. Operating more than a dozen for-profit companies, Doyon, Limited is a distinct driver of hundreds of jobs in Alaska and beyond. Our companies blend expertise and technological muscle in support of smooth, safe and successful operations in the North Slope oil fields.

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Anchorage, AK 99515
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Alaska Region Manager
Phone: 907-561-2465
Mobile: 907-227-3365
Email: j.carson@geolog.com
Website: www.geolog.com
GEOLOG is a global leader in oilfield services delivering solutions and expertise to the oil and gas industry. With experience in 70 countries and Alaska, GEOLOG has developed cost-effective surface logging services optimizing formation, fluid and reservoir analysis, and offers drilling optimization services

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2525 C Street, Suite 200
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E-mail: john.neason@nabors.com

Nordic-Calista LLC

375 West 36th Ave., Ste. 300
Anchorage, AK 99503
Phone: (907) 561-7458
Fax: (907) 563-8347
Contact: Udo Cassee
E-mail: udo.cassee@nordic-calista.com
Website: www.nordic-calista.com
Nordic-Calista Services is an experienced drilling and workover company operating primarily on the North Slope of Alaska. In addition, we provide contract labor and mobile camp leasing services.

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P.E.S.I. provides both conventional and specialty products and services for the Alaska oil industry. Regardless of your location, you will receive products and services that are guaranteed to meet your requirements.

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Contact: Tom Walsh
Phone: (907) 272-1232
Fax: (907) 272-1344
E-mail: info@petroak.com
PRA has extensive experience and capabilities in managing drilling projects, from permitting and design through procurement and field operations supervision. PRA's drilling engineers have managed projects across the North Slope, interior basins, and Cook Inlet Basin. We offer drilling operations supervision, wellsite geologists, and HSE planning and compliance services.

Waters Petroleum, LLC

(dba Waters Petroleum Advisors)
4824 Potter Crest Circle
Anchorage, AK 99516
Contact: Douglas L. Waters, President
Phone: (907) 350-8289
Fax: (907) 644-6243
Email: dwaters@waterspetro.com
Website: www.waterspetro.com
Waters Petroleum Advisors provides Geo-science & Engineering services to oil and gas companies operating in Alaska, Canada & the Lower 48. Such services include the following: Wellsite Geology and Engineering Operations, Geosteering, Petrophysical and Image Interpretation, Geological & Geophysical Interpretation, Regional Geologic Studies, Prospect Generation & Evaluation, Development Geology and Reservoir Modeling.

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E-mail: clif@alaskatextiles.com/Heidi@alaskatextiles.com
Website: www.alaskatextiles.com,
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With 50+ years across the energy industry and 12 years in Alaska, EXP is a 3500+ person multidisciplinary engineering, architecture, design and consulting firm with over 90 offices. We offer full-service engineering, environmental regulatory/permitting and integrity management services for energy and resource projects, with a proven track record of delivery focused on results.

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Fax: (907) 275-2919
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Coffman Engineers

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Website: www.coffman.com
Serving Alaska's upstream, midstream, and downstream clients for more than 42 years, Coffman Engineers provides fit-for-purpose multidiscipline engineering solutions. Our engineering services include civil, structural, mechanical, process, electrical, instrumentation and controls, fire protection, life safety, commissioning, corrosion control, and alternative and renewable energy.

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Email: tcaetano@anvilcorp.com
Website: www.doyonanvil.com
Doyon Anvil, LLC, a joint venture between Doyon Emerald Services and Alaska Anvil, provides a full suite of multi-discipline engineering and design, process safety/risk management, procurement, and project management to the oil and gas industry, including production, transportation, and refining.

Doyon, Limited

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Website: www.doyon.com
Doyon, Limited is the regional Native Corporation for Interior Alaska. Operating more than a dozen for-profit companies, Doyon, Limited is a distinct driver of hundreds of jobs in Alaska and beyond. Our companies blend expertise and technological muscle in support of smooth, safe and successful operations in the North Slope oil fields.

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Contact: Chris Humphrey, VP Arctic Region
Phone: (907) 868-1185
Email: chris.humphrey@exp.com
Website: www.exp.com
With 50+ years across the energy industry and 12 years in Alaska, EXP is a 3500+ person multidisciplinary engineering, architecture, design and consulting firm with over 90 offices. We offer full-service engineering, environmental regulatory/permitting and integrity management services for energy and resource projects, with a proven track record of delivery focused on results.

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Contact: Frank Bell, MS, COO
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Email: fbell@frbcmh.com
Website: www.bellalaska.com
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Email: barnold1@gci.com
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GCI provides technology solutions to meet the complex challenges facing Alaska's energy sector. Our resilient fiber and LTE networks, including the only redundant fiberoptic network to the North Slope, help clients meet growing highspeed bandwidth needs. With more than 3.4 million hours with no LTA, we operate safely in challenging landscapes.

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Phone: 907-339-6514
Email: jay.hermanson@kunaeng.com
Website: www.kunaeng.com
Kuna is a multi-disciplined A/E/S business providing innovative solutions to projects and communities throughout our state for 40 years, including a multitude of services for Alaska's mining, oil, and gas industries. Services include civil, structural, mechanical, and electrical engineering; architectural, environmental and survey services; and project planning and management.

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Michael Baker is internationally recognized for arctic engineering, playing a key role in Alaska's renowned infrastructures including TAPS and groundbreaking projects on the North Slope. Services include pipelines, transportation, hydrology, architecture, and geotechnical, with specialty services for bridge inspection, permitting and regulatory compliance, and GIS and LiDAR mapping.

NANA Worley LLC

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 Phone: (907) 273-3900
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 Website: www.nanaworleyparsons.com
NANA Worley provides multi-discipline engineering and design, project management, procurement, project controls and construction management for various industries including hydrocarbons, mining infrastructure, and power industries. NANA Worley also has a subsidiary, Kairos, LLC that focuses on innovative solutions for our customers, and has developed and patented a lease-based Mobile Arctic Production System, "MAPS".

PND Engineers Inc.

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 Anchorage, AK 99503
 Contact: Jim Campbell, P.E., president
 Contact: Dempsey Thieman, P.E., senior vice president
 Phone: (907) 561-1011
 Fax: (907) 563-4220
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 Website: www.pndengineers.com
PND provides civil, structural, geotechnical, arctic, marine, coastal engineering, surveying, hydrology, sanitary/wastewater, value engineering, inspection, Q/A, cost administration, permitting, site remediation, and project management.

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 Contact: Tom Walsh
 Phone: (907) 272-1232
 Fax: (907) 272-1344
 E-mail: info@petroak.com
PRA offers engineering services across a variety of engineering disciplines, including: drilling; reservoir; petroleum; civil; mechanical; process; facilities; construction; environmental; safety. We can provide design, planning and operational support for any oil

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 Phone: (907) 290-0207
 Email: djohnston@torcsill.com
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Owl Ridge Natural Resource Consultants, Inc.

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 Contact: Susan Walker, Business Manager
 Phone: (907) 891-7270 Direct
 Phone: (907) 344-3448 Main
 Email: swalker@owlriddenrc.com
 Other office: 2311 Sheldon Ave., Suite A
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 Suite 300
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3601 C St., Ste. 1424
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Contact: Tom Walsh
 Phone: (907) 272-1232
 Fax: (907) 272-1344
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PRA offers expert environmental engineering and consulting services to support the E&P industry in Alaska. We specialize in environmental planning and permitting, regulatory compliance, HSE field supervision, and reporting and communications with regulatory agencies.

Environmental Response & Clean up

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Calista is the parent company of more than 30 subsidiaries. In terms of land area and Shareholder base, Calista is the second largest of the Regional Alaska Native corporations established under ANCSA in 1971. Like us on Facebook (www.facebook.com/calistacorporation) and follow us on Twitter (twitter.com/calistacorp)

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 Anchorage, AK 99501
 Contact: Paul Nielsen, Director of Sales and Marketing
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We provide rental, sales, service, and supplies for air, water, soil, and personal monitoring, including, gas detection, soil sampling, water sampling and monitoring, and industrial hygiene. Environmental, engineering, construction, oil & gas.

Equipment & Heavy Hauling

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 Anchorage, AK 99522-4889
 Contact: John Ellsworth or Chris Ledgerwood
 Phone: (907) 562-5303
 Fax: (907) 562-5309
 E-mail: info@akfrontier.com
 Website: akfrontier.com
Heavy civil construction company specializing in Arctic and remote site development with the experience, equipment and personnel to safely and efficiently complete your project. Ice roads, ice islands, gravel roads and pads, gravel islands, docks & piling, bridges, equipment leasing, heavy hauling, all-terrain vehicles, maintenance services and portable camps.

Alaska Fuel Services
 2090 Van Horn Rd.
 Fairbanks, AK 99701
 Contact: Ben Wilker, Owner
 Phone: (907) 347-0432
 Fax: (907) 479-2287
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Matson
 1717 Tidewater Rd.
 Anchorage, AK 99501
 Contact: Jerrod Mustain, Alaska Manager, Oil & Gas Sales
 Phone: (907) 263-5093
 Fax: (907) 263-5090
 Email: jmustain@matson.com
 Website: www.matson.com/Alaska
Through Matson's network of partners and subsidiaries, it has the resources to transport heavy equipment and materials from domestic and international locations to your job site. Matson provides twice-weekly vessel service to Anchorage and Kodiak and weekly service to Dutch Harbor, linking domestic and international cargo with seamless rail and trucking connections to the Kenai Peninsula, Valdez, Fairbanks and Prudhoe Bay.

Equipment Sales/Rental

Airgas an Air Liquide company
 6415 Arctic Blvd.
 Anchorage, AK 99518
 Contact: BJ Murdock, Vice President – Alaska
 Phone: (907) 632-6645
 Fax: (907) 561-8364
 Email: bj.murdock@airgas.com
Airgas stocks welding hard goods and consumables; and provides factory trained, war-

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Airport Equipment Rentals Inc.
 1285 Van Horn Rd.
 Fairbanks, AK 99701
 Contact: Jerry Lee Sadler, Management
 Phone: (907) 456-2000
 Fax: (907) 456-2066
 Email: jlsadler@aer-inc.net
 Website: www.airportequipmentrentals.com

Alaska Dreams
 2081 Van Horn Rd., Suite 2
 Fairbanks, AK 99701
 Contact: Meini Huser, President/CEO
 Phone: (907) 455-7712 • Fax: (907) 455-7713
 E-mail: info@alaskadreamsinc.com
 Website: www.alaskadreamsinc.com
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Calista Corporation
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 Suite 3000
 Anchorage, AK 99503
 Phone: (907) 275-2800
 Fax: (907) 275-2919
 Website: www.calistacorp.com
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Construction Machinery Industrial, LLC
 5400 Homer Dr.
 Anchorage, AK 99518
 Contact: Kirai Barker, Marketing Specialist
 Phone: (907) 563-3822
 Fax: (907) 563-1381
 Website: www.cmiak.com
 Fairbanks office
 Phone: 907-931-8808
 Juneau office
 Phone: 907-802-4242
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 Anchorage, AK 99503
 Contact: Kathryn Russell, president
 Phone: (907) 561-4820
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 E-mail: sales@neifluid.com
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North Slope Telecom Inc.

2020 E Dowling Rd, Suite 3
Anchorage, AK 99507
Contact: Sharon Kazem, Vice President
Phone: 907.751.8200
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E-mail: sales@pesiak.com
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Fax: (985) 385-1950
Email: tal.office@tanksalotinc.net
Other offices :
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Contact: Tom Looney
Phone: (907) 276.6664
Email: looney@coffman.com
Website: www.coffman.com
Coffman Engineers assist clients with fire protection and life safety consulting services including new code analysis, facility design, designs for upgrades and renovations of specific protective systems in existing buildings, and litigation support following a fire incident. We have experience designing a variety of fire suppression, detection, alarm, and communication systems.

Foundations**TorcSill**

5701 Silverado Way, L-201
Anchorage, AK 99518
Contact: Derek Johnston, Business Development Manager Alaska
Phone: (907) 290-0207

Email: djohnston@torcsill.com
Website: www.torcsill.com
TorcSill is a fully integrated provider of deep foundations utilizing helical pile technology. Services include engineering & design, fabrication and installation. Innovative solutions for seismic concerns, frost heaves, poor and unknown soil conditions, flooding/washouts and contaminated soils. Environmentally friendly with small installation footprint, reusable/recyclable. TorcSill Foundations owns and operates a 15,000 sq ft steel MFG facility, creating a complete streamline from TorcSill to client, cutting time delays in procurement and logistics.

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Fax: (907) 479-2287
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Alaska Railroad Corp.

P.O. Box 107500
Anchorage, AK 99510
Freight Contact: Tim Williams,
Director, Freight Sales & Marketing
Phone: (907) 265-2669
E-mail: freightmarketing@akrr.com
Passenger Contact: Meghan Clemens,
Marketing Communications Manager
Phone: (907) 265-2543
E-mail: Clemensm@akrr.com
Real Estate Contact: Andy Donovan,
Director, Real Estate Leasing/Permits
Phone: (907) 265-2325
E-mail: DonovanA@akrr.com
The Alaska Railroad Corporation offers real estate, passenger and freight services – including complete services to move your freight between Alaska, the Lower 48, Mexico and Canada.

Brooks Range Supply

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1 Old Spine Road
Prudhoe Bay, AK 99734
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Phone: (907) 670-5100
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Phone: (907) 245-1544
Fax: (907) 245-1744
E-mail: information@lynden.com
Lynden provides transportation and logistics support for exploration, production, and service companies on the North Slope working to develop Alaska's oil and gas resources. Our multi-modal capabilities include trucks, barges, Hercules aircraft, hovercraft, and PistenBully snowcats. We regularly move supplies to the North Slope from locations around the world, and we have the equipment and expertise to ensure you receive the materials you need, when you need them.

Matson

1717 Tidewater Rd.
Anchorage, AK 99501
Contact: Jerrod Mustain, Alaska Manager,
Oil & Gas Sales
Phone: (907) 263-5093
Fax: (907) 263-5090
Email: jmustain@matson.com
Website: www.matson.com/Alaska
Through Matson's network of partners and subsidiaries, it has the resources to transport heavy equipment and materials from domestic and international locations to your job site. Matson provides twice-weekly vessel service to Anchorage and Kodiak and weekly service to Dutch Harbor, linking domestic and international cargo with seamless rail and trucking connections to the Kenai Peninsula, Valdez, Fairbanks and Prudhoe Bay.

SeaTac Marine Services

6701 Fox Avenue South
Seattle, WA 98105
Contact: Maggie Adams,
Business Development
Phone: 206-767-6000
Email: Info@seatacmarine.com
Website: www.Seatacmarine.com
SeaTac Marine Services is a full-service marine transportation company based in Seattle, WA. We specialize in heavy lift, bulk and break bulk cargo moves. Our company has been providing superior transportation service for over 20 years.

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2090 Van Horn Rd.
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Fax: (907) 479-2287
We are a trucking company specializing in fuel. We offer some of the best rates, and service in Alaska. We have been delivering to Prudhoe bay since 2011 to customers from one tanker a month to customers needing

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Colville

Pouch 340012
Prudhoe Bay, AK 99734
Contacts: Dave Pfeifer, President & CEO; Brad Osborne, COO
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Anchorage, AK 99518
Phone: (907) 344-1577
Fax: (907) 522-2541

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Phone: (907) 283-5900
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Fax: (907) 561-7600
E-mail: AnchorageSales@AlaskaRubberGroup.com
Website: www.AlaskaRubberGroup.com
Contact: Mike Bishop, Branch Manager

ARG Industrial - Anchorage Rigging Division:

6407 Arctic Spur Road
Anchorage, AK 99518
Phone: (907) 562-0707
E-mail: Sales@ARG.arcticwirerope.com
Website: www.AlaskaRubberGroup.com
Contact: Jill Reeves, Branch Manager

ARG Industrial - Fairbanks:

1885 Van Horn Road
Fairbanks, AK 99701
Phone: (907) 451-0200
E-mail:
FairbanksSales@AlaskaRubberGroup.com
Website: www.AlaskaRubberGroup.com
Contact: Tyler Mitchell, Branch Manager

ARG Industrial - Wasilla:

3060 E. Palmer Wasilla Highway
Wasilla, AK 99654
Phone: (907) 373-1345
E-mail:

WasillaSales@AlaskaRubberGroup.com
Website: www.AlaskaRubberGroup.com
Contact: Ryan Martin, Branch Manager

ARG Industrial - Kenai:

1185 Bridge Access Road
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E-mail: KenaiSales@AlaskaRubberGroup.com
Website: www.AlaskaRubberGroup.com
Contact: Josh Hairgrove, Branch Manager

ARG Industrial is a wholesale and retail distributor of industrial and hydraulic hose and fittings, lifting & rigging equipment, and slings. We offer testing & certifications, conveyor belting, sheet rubber, camlocks, plumbing fittings, and more. With decades of industry experience and the highest quality customer service, visit ARG Industrial for all your needs.

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Suppliers of petrochemical refueling and testing equipment, meters and valve systems for the oil and gas industry and portable measurement for petroleum, chemicals and bulk liquids. We also supply refrigerant recovery and recycling equipment.

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301 East 92nd Ave., Suite. 2
Anchorage, AK 99515
Contact: James R. Carson,
Alaska Region Manager
Phone: 907-561-2465
Mobile: 907-227-3365
Email: j.carson@geolog.com
Website: www.geolog.com
GEOLOG is a global leader in oilfield services delivering solutions and expertise to the oil and gas industry. With experience in 70 countries and Alaska, GEOLOG has developed cost-effective surface logging services optimizing formation, fluid and reservoir analysis, and offers drilling optimization services that reduce drilling cost and down time.

PRA (Petrotechnical Resources of Alaska)

3601 C St., Ste. 1424
Anchorage, AK 99503
Contact: Tom Walsh
Phone: (907) 272-1232
Fax: (907) 272-1344
E-mail: info@petroak.com
PRA provides geological, geophysical and petrophysical services to numerous clients, including major operators, independent explorers and producers, state and federal agencies, and native corporations. PRA has extensive knowledge of every sedimentary basin in Alaska, and we have workstations and applications to provide integrated interpretation, mapping and modeling from basin evaluation to planning multilateral wells. PRA has the most extensive database of Alaskan well information, and publicly avail-

able seismic data to support our clients' business objectives.

Waters Petroleum, LLC (dba Waters Petroleum Advisors)

4824 Potter Crest Circle
Anchorage, AK 99516
Contact: Douglas L. Waters, President
Phone: (907) 350-8289
Fax: (907) 644-6243
Email: dwaters@waterspetro.com
Website: www.waterspetro.com
Waters Petroleum Advisors provides Geoscience & Engineering services to oil and gas companies operating in Alaska, Canada & the Lower 48. Such services include the following: Wellsite Geology and Engineering Operations, Geosteering, Petrophysical and Image Interpretation, Geological & Geophysical Interpretation, Regional Geologic Studies, Prospect Generation & Evaluation, Development Geology and Reservoir Modeling.

Heavy Civil Construction

Alaska Frontier Constructors

P.O. Box 224889
Anchorage, AK 99522-4889
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Phone: (907) 562-5303
Fax: (907) 562-5309
E-mail: info@akfrontier.com
Website: akfrontier.com
Heavy civil construction company specializing in Arctic and remote site development with the experience, equipment and personnel to safely and efficiently complete your project. Ice roads, ice islands, gravel roads and pads, gravel islands, docks & piling, bridges, equipment leasing, heavy hauling, all-terrain vehicles, maintenance services and portable camps.

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Hoses, Hydraulic & Industrial

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5811 Old Seward Hwy.
Anchorage, AK 99518
Phone: (907) 562-2200
Fax: (907) 561-7600
E-mail: AnchorageSales@AlaskaRubberGroup.com
Website: www.AlaskaRubberGroup.com
Contact: Mike Bishop, Branch Manager

ARG Industrial - Anchorage Rigging Division:

6407 Arctic Spur Road
Anchorage, AK 99518

Phone: (907) 562-0707
E-mail: Sales@ARG.arcticwirerope.com
Website: www.AlaskaRubberGroup.com
Contact: Jill Reeves, Branch Manager

ARG Industrial - Fairbanks:

1885 Van Horn Road
Fairbanks, AK 99701
Phone: (907) 451-0200
E-mail:
FairbanksSales@AlaskaRubberGroup.com
Website: www.AlaskaRubberGroup.com
Contact: Tyler Mitchell, Branch Manager

ARG Industrial - Wasilla:

3060 E. Palmer Wasilla Highway
Wasilla, AK 99654
Phone: (907) 373-1345
E-mail:
WasillaSales@AlaskaRubberGroup.com
Website: www.AlaskaRubberGroup.com
Contact: Ryan Martin, Branch Manager

ARG Industrial - Kenai:

1185 Bridge Access Road
Kenai, AK 99611
Phone: (907) 395-0575
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Website: www.AlaskaRubberGroup.com
Contact: Josh Hairgrove, Branch Manager

ARG Industrial is a wholesale and retail distributor of industrial and hydraulic hose and fittings, lifting & rigging equipment, and slings. We offer testing & certifications, conveyor belting, sheet rubber, camlocks, plumbing fittings, and more. With decades of industry experience and the highest quality customer service, visit ARG Industrial for all your needs.

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Frost Engineering Service Co. - NW design and install compressor lubrication systems. We provide maintenance on all compressor lubrication systems. We are also a Master GRACO distributor.

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Fax: (907) 561-7600
E-mail: AnchorageSales@AlaskaRubberGroup.com
Website: www.AlaskaRubberGroup.com
Contact: Mike Bishop, Branch Manager

ARG Industrial - Anchorage Rigging Division:

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Anchorage, AK 99518
Phone: (907) 562-0707
E-mail: Sales@ARG.arcticwirerope.com
Website: www.AlaskaRubberGroup.com
Contact: Jill Reeves, Branch Manager

ARG Industrial - Fairbanks:

1885 Van Horn Road
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Phone: (907) 451-0200
E-mail:
FairbanksSales@AlaskaRubberGroup.com
Website: www.AlaskaRubberGroup.com
Contact: Tyler Mitchell, Branch Manager

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E-mail:
WasillaSales@AlaskaRubberGroup.com
Website: www.AlaskaRubberGroup.com
Contact: Ryan Martin, Branch Manager

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Website: www.AlaskaRubberGroup.com
Contact: Josh Hairgrove, Branch Manager

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Operation Mgrs.
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Email: manager@brooksrangesupply.com
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Contacts: Dave Pfeifer, President & CEO;
Brad Osborne, COO
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Phone: (888) 659-3198
Fax: (907) 659-3190
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Phone: (907) 569-5000
Fax: 907-569-5005
Email: tthorson@acuren.com
Website: www.acuren.com
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3105 Lakeshore Dr., Ste 106A
Anchorage, AK 99517
Contact: Kirsten Ballard,
Director of ARCTOS Services
Phone: (907) 245-4230
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Phone: (907) 344-1577
Fax: (907) 522-2541

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Kenai, AK 99611
Phone: (907) 283-5900
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Arctic Controls, Inc.

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Anchorage, AK 99501
Contact: Scott Stewart, president
Phone: (907) 277-7555
Fax: (907) 277-9295
E-mail: sstewart@arcticcontrols.com
Website: www.arcticcontrols.com
An Alaskan owned and operated company since 1985, Arctic Controls, Inc. has been highly successful as manufacturer representatives for the state of Alaska in the Process Control and Instrumentation field. Selling equipment to the oil and gas markets, mining and water wastewater/municipal markets.

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Flowline Alaska

1881 Livengood
Fairbanks, AK 99701
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Phone: (907) 456-4911
Fax: (907) 456-1194
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Anchorage, AK 99518
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Phone: (907) 569-5000
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Email: tthorson@acuren.com
Website: www.acuren.com
Acuren is a single source provider of technology-enabled asset protection solutions used to evaluate the structural integrity of critical energy, industrial and public infrastructures. We provide an unrivaled spectrum of capabilities, including traditional and advanced Inspection, condition based monitoring, failure analysis, rope access, industrial services, materials engineering and reliability engineering.

BELL & Associates

801 W. Fireweed Ln., Suite 201
Anchorage, AK 99503
Contact: Frank Bell, MS, COO
Phone: (907) 274-5257
Fax: (907) 743-3419
Email: fbell@frbcmh.com
Website: www.bellalaska.com
Other office:
Prudhoe Bay
MCC Projects PRB-38 Box 13
Prudhoe Bay, AK 99734
We have been proudly providing engineering, surveying, and 3D laser scanning services on the North Slope since 1974.

Coffman Engineers

800 F Street
Anchorage, AK 99501
Contact: Tom Looney
Phone: (907) 276.6664
Email: looney@coffman.com
Website: www.coffman.com
In addition to 3D modeling, Coffman provides laser scanning services for our project designs that enhance project capabilities and communication with our clients. We use the Lecia RTC360 3D laser scanner, which is used extensively in our brownfield projects, to support the interface of our new designs with existing facilities. The laser scanner produces a point cloud, thousands of scan points per square inch, which allows the designer to model over the existing object and select a tie-in point with an accuracy of 1/64th of an inch. The point cloud and 3D model are both transferred to Naviswork for viewing and navigating the 3D model.

Doyon Anvil, LLC

509 W. 3rd Avenue, Suite 200
Anchorage, AK 99501
Contact: Terry Caetano, President and General Manager
Phone: 907.677.3021
Email: tcaetano@anvilcorp.com
Website: www.doyonanvil.com
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Guess & Rudd P.C.

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Anchorage, AK 99501-1958
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Phone: (907) 907-276-5121
Fax: (907) 793-2299
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Email: info@iceservices.net

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Phone: 907-659-2644

Email: information@lynden.com

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Email: swalker@owlrighdenrc.com

Other office: 2311 Sheldon Ave., Suite A

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 Phone: (907) 283-3880
 Fax: (907) 283-3759
Rebar Division
 6180 Electron Drive
 Anchorage, AK 99518
 Contact: Mike Galyon, rebar mgr.
 Phone: (907) 561-1188

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3140 Lakeview Drive

PO Box 71193

Fairbanks, AK 99707

Contact: Mark Greer, General Manager

Phone: (907) 452-1711

Fax: (907) 456-5808

Email: mgreer@greertank.com

Other offices: Anchorage, AK; Lakewood, WA

Website: www.greertank.com

Greer Tank & Welding are the premier tank and welding specialists of Alaska and Washington. In business for over 57 years, they have a long history of providing an array of products and services for all contracting and custom fabrication needs – all from their highly trained and experienced staff.

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6180 Electron Drive

Anchorage, AK 99518

Contact: Skyler Plonta, Outside Sales Manager

Phone: (907) 561-1188

Toll free: (800) 770-0969 (AK only)

Fax: (907) 561-2935

E-mail: s.plonta@alaskasteel.com

Fairbanks Office:

2800 South Cushman

Contact: Manny Holbrook, branch mgr.

Phone: (907) 456-2719 • Fax: (907) 451-0449

Kenai Office:

205 Trading Bay Rd.

Contact: Will Bolz, branch mgr.

Phone: (907) 283-3880

Fax: (907) 283-3759

Rebar Division

6180 Electron Drive

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Fax: (907) 456-6875

E-mail: sales@crpipe.net

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Anchorage, AK 99503

Contact: Frank Bell, MS, COO

Phone: (907) 274-5257

Fax: (907) 743-3419

Email: fbell@frbcmh.com

Website: www.bellalaska.com

Other office:

Prudhoe Bay

MCC Projects PRB-38 Box 13

Prudhoe Bay, AK 99734

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Lounsbury and Associates, Inc

3230 C St. Suite 201

Anchorage, AK 99503

Contact: Jake Gerondale, President

E-mail: jake.g@lounsburyinc.com

Phone: (907) 272-5451

Fax: (907) 272-9065

Website: www.lounsburyinc.com

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Greer Tank and Welding Inc.

3140 Lakeview Drive

PO Box 71193

Fairbanks, AK 99707

Contact: Mark Greer, General Manager

Phone: (907) 452-1711

Fax: (907) 456-5808

Email: mgreer@greertank.com

Other offices: Anchorage, AK; Lakewood, WA

Website: www.greertank.com

Greer Tank & Welding are the premier tank and welding specialists of Alaska and Washington. In business for over 57 years, they have a long history of providing an array of products and services for all contracting and custom fabrication needs – all from their highly trained and experienced staff.

Telephone Equipment & Sales

Arctic Slope Telephone

Association Cooperative, Inc.

4300 B St., Ste. 501

Anchorage, AK 99503

Contact: Rebecca Sparks,

External Relations Manager

Phone: (907) 564-2643

Email: rebecca@astac.net

Website: www.astac.net

ASTAC's Nomadic WAN and high-speed Internet service using the North Slope's only private LTE network covering the oil fields, helps clients meet their diverse bandwidth needs. In January 2021, ASTAC was the first to provide 4G LTE coverage from the Brooks Range to Deadhorse where no other coverage had existed previously.

North Slope Telecom

2020 E. Dowling, Ste. 3,

Anchorage, AK 99507

Contact: Whitney Robins,

Regional Account Manager

Phone: (907) 751-8200 main

Fax: (907) 751-8272

Email: info@nstiak.com

Website: www.nstiak.com

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Training

Lynden Training Center

4325 Cinch Street

Fairbanks, AK 99701

Contact: Tyler Bones, Director of HSSE

Phone: 907-456-2223

lrc@lynden.com

E-mail: information@lynden.com

The only facility in Alaska offering hazardous materials training for transportation and emergency response that specializes in classroom instruction coupled with hands-on training for the serious student. A division of Alaska West Express, the Lynden Training Center specializes in competency based, "hands-on" experience for hazardous materials training in transportation, emergency response, work place safety, hazardous waste operations, and equipment operations.

Transportation

Alaska Railroad Corp.

P.O. Box 107500

Anchorage, AK 99510

Freight Contact: Tim Williams,

Director, Freight Sales & Marketing

Phone: (907) 265-2669

E-mail: freightmarketing@akrr.com

Passenger Contact: Meghan Clemens,

Marketing Communications Manager

Phone: (907) 265-2543

E-mail: Clemensm@akrr.com

Real Estate Contact: Andy Donovan,

Director, Real Estate Leasing/Permits

Phone: (907) 265-2325

E-mail: Donovanana@akrr.com

The Alaska Railroad Corporation offers real estate, passenger and freight services – including complete services to move your freight between Alaska, the Lower 48, Mexico and Canada.

Matson

1717 Tidewater Rd.

Anchorage, AK 99501

Contact: Jerrod Mustain, Alaska Manager,

Oil & Gas Sales

Phone: (907) 263-5093

Fax: (907) 263-5090

Email: jmustain@matson.com

Website: www.matson.com/Alaska

Through Matson's network of partners and subsidiaries, it has the resources to transport heavy equipment and materials from domestic and international locations to your job site. Matson provides twice-weekly vessel service to Anchorage and Kodiak and weekly service to Dutch Harbor, linking domestic and international cargo with seamless rail and trucking connections to the Kenai Peninsula,

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Fairbanks, AK 99701
Contact: Jerry Lee Sadler, Management
Phone: (907) 456-2000
Fax: (907) 456-2066
Email: jlsadler@aer-inc.net
Website: www.airportequipmentrentals.com

Vessel Contract & Charter Service

SeaTac Marine Services

6701 Fox Avenue South
Seattle, WA 98105
Contact: Maggie Adams,
Business Development
Phone: 206-767-6000
Email: Info@seatacmarine.com
Website: www.Seatacmarine.com
SeaTac Marine Services is a full-service marine transportation company based in Seattle, WA. We specialize in heavy lift, bulk and break bulk cargo moves. Our company has been providing superior transportation service for over 20 years.

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Fairbanks, AK 99701

Contact: Richard Schok
Phone: (907) 456-4911
Fax: (907) 456-1194
Flowline has three-pipe insulation, fabrication, and corrosion coating facilities encompassing over 64,000 ft of enclosed production area, on a 40+acre site in Fairbanks that offers substantial area for material handling and staging, and a dedicated rail spur.

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Anchorage, AK 99518
Phone: (907) 344-1577
Fax: (907) 522-2541

Nikiski Delivery Address:
53340 Sandy Lane
Kenai, AK 99611
Phone: (907) 283-5900
Fax: (907) 283-5923
Mailing Address:
P.O. Box 30
Kenai, AK 99611
Serving Alaska for more than 52 years.

Weld/Repairs/Manufacturing

Greer Tank and Welding Inc.

3140 Lakeview Drive, PO Box 71193
Fairbanks, AK 99707
Contact: Mark Greer, General Manager
Phone: (907) 452-1711
Fax: (907) 456-5808
Email: mgreer@greertank.com

Other offices:

Anchorage, AK; Lakewood, WA
Website: www.greertank.com
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OIL & GAS COMPANIES

Operators

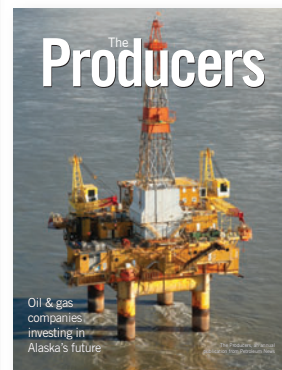
70 & 148, LLC

1421 Blake St.
Denver, CO 80202
Contact: Ed Kerr, Vice President
Phone: (303) 623-1821 • Fax: (303) 623-3019
Email: ed@armstrongoilandgas.com

Armstrong Energy, LLC

1421 Blake St.
Denver, CO 80202
Contact: Ed Kerr, Vice President
Phone: (303) 623-1821
Fax: (303) 623-3019
Email: ed@armstrongoilandgas.com

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COMPANY NEWS *in brief*

Doyon Ltd. announces new VP of lands

Doyon Ltd. said May 22 that it is pleased to announce that Dr. Molly Redilla has joined its leadership team as the new VP of lands.

"We are excited to promote Molly into this role," said Aaron Schutt, Doyon president and CEO. "As Doyon is the largest private landowner in Alaska and the largest indigenous landowner in the nation. This role is critical to Doyon's mission of strengthening our way of life and protecting and enhancing our land and resources."



MOLLY REDILLA

Redilla has served as Doyon's lands and natural resources specialist IV since November of 2022 and has overseen its carbon forestry project and leads other forestry, fire and invasive species-related programs within the lands department. Prior to joining Doyon, she led the collection of various environmental data products across Alaska's taiga and tundra for multiple years. Redilla earned her Bachelor of Science in fisheries and wildlife with a concentration in wildlife biology and management and a Doctor of Philosophy in forestry and spatial ecology from Michigan State University. Redilla was a postdoctoral research fellow at North Carolina State University where she researched ways to help stop the spread of the most invasive forest insect in North America to date. She has spent years studying and researching forest health and ecology and modeling landscape changes across space and time. Redilla has been working in this field for 12 years and has devoted much of her time and career thus far to understanding the land we live on and determining ways we can help manage it.

Airgas celebrates anniversary with Operation Homefront

Airgas, an Air Liquide company, said May 24 that it is pleased to recognize its 15th consecutive year of partnership with Operation Homefront, a non-profit organization whose mission is to support military families so they can thrive in their communities. Since 2008, Airgas has donated \$1.5 million to Operation Homefront and Airgas associates have participated in local Operation Homefront activities and fundraisers to support the organization, including holiday collections, food and donation drives, golf and bowling tournaments and more.

Donations to Operation Homefront fund a variety of life-changing programs for military families that address short-term and critical financial assistance needs, long-term stability, and recurring family support programs, like holiday meals for military and holiday toy drive.

As a company, Airgas employs nearly 900 veterans and active-duty associates and recruits associates with military experience. In addition, Airgas incorporates policies and provides tools that support employees currently in the service.

Stamy Paul, Airgas senior VP of human resources, commented: "We admire Operation Homefront's mission to support military

families. At Airgas, the mission-driven focus of our nearly 900 veterans with military backgrounds has helped us to fill our potential throughout the years and bring our company to greater heights. We are honored to celebrate 15 years of work with Operation Homefront to give back to active-duty military members and their families."

Jill Eskin-Smith, Operation Homefront VP of corporate and foundation partnerships, commented: "We are thrilled to celebrate 15 years of partnership with Airgas and are proud of our collective efforts to provide a brighter future for countless military families who may face financial challenges. We are grateful for their unwavering commitment to those military families who have done so much for all of us and look forward to continuing to jointly serve these very deserving fellow Americans for years to come."

Lynden Logistics lends a helping hand at shelter

As reported by Lynden News May 12, Lynden Logistics' Hawaii team lent helping hands at the U.S. Veterans Emergency Shelter at the former military installation at Barber's Point on Oahu. Lynden Logistics sponsored lunch for the 25 volunteers who supported Leeward Habitat for Humanity and the veterans. "We cleared a field, weeded a garden area, and painted a group room all in one day," says Mary Kutscherenko, Hawaii trade lane sales manager. Kutscherenko also delivered a truckload of donations to the Kealahou West Oahu Emergency Homeless Shelter. This is part of women in construction week and Lynden's third year as a participant in the donation drive. Kutscherenko is the co-chair of the event as part of the National Association of Women in Construction. Kutscherenko (pictured to the right) is with Thursday Robinson, volunteer and veterans activities coordinator for U.S. Vets-Hawaii.



COURTESY LYNDEN

NORTECH Inc. expands Anchorage office

NORTECH Inc. said May 10 that it is pleased to announce that Haley Michael, P.E., has relocated from NORTECH's Juneau office to the Anchorage office. With this addition, the Anchorage office is expanding its services. Michael directly manages and assists NORTECH's engineers with spill prevention, control, and countermeasure plans, hazardous materials project design, land farm design and more. As a consultant, she works with clients and regulators to develop and manage tank inspection schedules, environmental compliance manuals, and a range of oil spill prevention and response programs.

Michael has conducted work throughout the state of Alaska

and is experienced with all phases of projects including design, field supervision, reporting and coordination with various regulatory agencies. She holds certifications for conducting hazardous materials assessments, asbestos project design, API 653 tank inspections, hazardous waste operations, and erosion and sediment control.

Airgas named one of Newsweek's Most Trustworthy Companies

Airgas, an Air Liquide company, said May 8 that it has been included on Newsweek's list of America's Most Trustworthy Companies 2023. This prestigious award is presented by Newsweek and Statista Inc., the world-leading statistics portal and industry ranking provider. The awards list was announced on March 29 and can be viewed on Newsweek's website.

Americas Most Trustworthy Companies 2023 were identified in an independent survey based on a vast sample of approximately 25,000 U.S. residents who rated companies they know in terms of three touchpoints of trust. A total of 95,000 evaluations were submitted. All companies headquartered in the U.S. with a revenue over \$500 million were considered in the study.

The top 700 most trustworthy companies across 23 industries have been chosen based on a holistic approach to evaluating trust. The three main public pillars of trust were considered: customer trust, investor trust and employee trust.

Airgas is pleased to be recognized on Newsweek's list of America's Most Trustworthy Companies 2023.

Marcelo Fioranelli, Airgas chief executive officer, commented: "This recognition by Newsweek represents exactly what Airgas wants to be for our customers, associates, and in the communities we serve. Our associates' continuous hard work and dedication to gain and retain our customers' trust has contributed to this recognition from Newsweek, which we are very honored to receive."

these decommissioned units before they were sold for scrap.

Since then, over 500 parts have been saved or reused, resulting in approximately \$150,000 in savings. "Along with reducing the need to buy new parts, it has also reduced the paperwork for the purchasing group, accounts payable and the mechanics since the used parts are not inventoried as new ones are," says Dylan Langfitt, parts and inventory coordinator. "The biggest cost savings comes from saving the units' compressor. Compressors have increased in price, like most all parts. A new compressor now costs around \$2,400."

In addition to saving the significant components, mechanics are also saving parts like switches, contactors, connectors and controllers. While most of these parts are under \$100, the minute or two it takes the mechanic to remove them is well worth it.

Alaska Marine Lines is also starting an r134a refrigerant recycling program, headed by Assistant Maintenance Manager Steve Tafoya in the yard 5 reefer shop in Seattle. With the refrigeration industry standards changing, r134a has seen substantial price increases over the last couple of years. It has gone from just over \$3 a pound to more than \$9 a pound.

"In the current practice, refrigerant is pulled out of the unit before the job starts and sent off to a recovery center," Tafoya explains. "AML pays to dispose of the refrigerant. Then new, virgin refrigerant is bought at the current rate to put back into the unit. In 2021, it cost \$27,241 to dispose of dirty r134a and buy clean r134a."

Matson increased community support in Alaska in 2022

Matson said April 18 that it contributed a total of \$1.6 million in cash and in-kind donations to more than 85 charitable community organizations and nonprofit programs in Alaska during 2022.

Cash contributions, including funds directed by employees through the company's matching gift program, added up to \$582,641 in 2022, while the value of donated services and equipment totaled \$1,077,998.

The biggest categories of giving for the year were environmental programs, with \$952,489 in cash and in-kind support; education programs with \$176,795 in cash and in-kind support; and food security programs, with \$170,489 in cash and in-kind support.

In 2020, as part of its pandemic response plan, Matson made a multi-year commitment of \$5 million in cash and in-kind services to support food bank networks in Alaska, Hawaii and Guam, which will be fulfilled through 2023. In March, the company committed to providing another \$5 million in cash and in-kind services to continue supporting food bank networks through 2026.

Led by employee committees in Hawaii, Alaska and Guam, Matson focuses its community support on local programs providing vital health care and human services; youth development/recreation; disaster preparedness and recovery; education; cultural and environmental preservation; the arts; agriculture and nutrition; and maritime safety.

For more information visit <https://www.matson.com/sustainability/sustainability-reports.html>

COURTESY ALASKA MARINE LINES



Alaska Marine Lines works smart with recycling programs

As reported by Lynden News April 21, for the last five years, Alaska Marine Lines has made substantial purchases of refrigerated containers to help modernize the fleet. This has allowed some of the oldest units to be decommissioned. Four years ago, Alaska Marine Lines issued a directive to save usable parts from

Alaska Rubber Group changes name to consolidate companies

Alaska Rubber Group, an employee-owned industrial distribution company headquartered in Anchorage, Alaska, said April 6 that it has rebranded as ARG Industrial.

ARG Industrial is a solutions focused organization specializing in the distribution of hose, fittings, lifting and rigging products and serves a wide variety of industrial markets across Alaska and the Pacific Northwest.

ARG Industrial's former subsidiary trade names include Alaska Rubber & Rigging Supply Inc., Arctic Wire Rope & Supply, Central Hose & Fittings, Industrial Supply Inc., Inland Pacific Hose & Fittings, North Sound Hose & Fittings, Pacific Hose & Fittings, Pacific Rubber Inc., Timco Inc., & The Hose Pro.

The rebranding to ARG Industrial also signifies a reorganization of the company's structure, bringing together the various subsidiary units into one company under one name, and effectively sunsets all historical subsidiary trade names.

"Moving forward under one ARG Industrial banner will allow us to serve the market in a more effective way, offering a more consistent customer experience, a broader range of products and services, and a unified go-to-market strategy providing more value for customers wherever we do business," said Mike Mortensen, president and CEO of ARG Industrial.

ARG Industrial strives to become the secret to its customers success, providing flexible industrial solutions to power and lift your world.

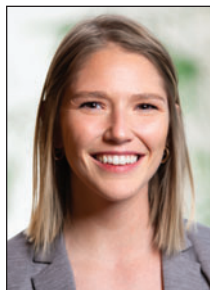
Coffman Engineers, Deanna Nielson, earns professional license

Coffman Engineers Inc. said March 31 that it is pleased to announce Deanna Nielson's achievement on earning her Alaska professional engineering license in electrical engineering.

Nielson has been with Coffman's electrical engineering department for over seven years. Her background includes designing medium and low voltage power distribution systems and industrial instrumentation and control systems primarily for the oil and gas industry, as well as commercial and residential projects.

She has experience in logistics and refinery projects, creating designs for the Port of Alaska, installation of truck and rail loading systems using electronic preset control system technologies, medium and low voltage pump power and controls, fire and gas detection systems, valving and metering controls, uninterruptible power supply systems, tank gauging systems, and custody transfer systems. Nielson also has experience with power distribution; area classification development; heat trace design; motor control; electrical power systems analysis including arc-flash, short circuit and protective device coordination studies; industrial lighting; lighting controls; and on-site engineering support.

Deanna was first mentored by Coffman as a high school student through the Anchorage School District's Gifted Mentorship Program. She interned in the civil and structural departments



DEANNA NIELSON

but settled on electrical engineering. She earned her Bachelor of Science in electrical engineering, while also playing Division I volleyball for Gonzaga University.

Airgas announces dry ice production system upgrade

Airgas, an Air Liquide company, said June 22 that it has recently completed installation of its new dry ice production equipment, replacing its nearly 60-year-old system.

The new equipment is state-of-the-art and will more than double production capacity to nearly 20,000 pounds per day. It also allows the company to produce more size options. Airgas will now offer four sizes: 11 pound block, 1/8 pellet, 5/8 pellet and a 2 pound individually packaged wafer. With the additional capacity, Airgas will begin to offer dry ice at four of its local branches - Anchorage, Fairbanks, Wasilla and Kenai. "Airgas is the only producer of dry ice in Alaska and this upgrade was long overdue given the increasing demand we've seen in the marketplace," said BJ Murdock vice president-Alaska, NorPac region.

For more information or to locate a branch near you visit <https://www.airgas.com/>.

Coffman engineer reaches 30-year career milestone

Coffman Engineers Inc. said March 16 that it is pleased to announce a 30-year career milestone for fire protection engineering Principal Robert Bigtas, PE, FSPE. Since 1992, he has been a trailblazer as a fire protection engineer having successfully executed over \$80 million in services in the Pacific.

Pacific Region Managing Principal John Thielst said, "Robert's career is marked by his dedication to this profession, his loyalty to clients, and Coffman. We congratulate him on this significant milestone and look forward to his leadership for many years to come."

Over Bigtas 30-year career, his depth of technical knowledge, passion, and client relationships has led to trusted partnerships with the local architectural and engineering communities as well as the U.S. Navy, U.S. Army Corps of Engineers and Air Force. Bigtas has worked on more than 80% of all military bases in the Indo-Pacific and completed services on more than 90% of all military facilities in Guam.

His dedication and experience is celebrated by clients and colleagues across the industry:

"Congratulations Robert on making 30 years! It's been a pleasure working with you these last 20+ years," Kendall Ellingwood III, AIA, LEED AP, Design Partners Inc.

"I can always rely on him for thorough, up-to-date, and accurate information. Robert, congratulations on a great 30 years. Please keep going. We need you to keep us all at our best," Francis T. Hino, PE, HDR.

"As the Prime, it is 'reassuring' knowing that our clients and government engineers are familiar with Robert professionally and respect his fire protection experience and knowledge.



ROBERT BIGTAS

Thanks for teaching engineering to us architects, but most of all, mahalo for being a true friend," Warren Nakamura, WTN.

Milky Way celebrates 75th anniversary

As reported by Lynden News Feb. 22, Milky Way, the leading bulk-milk transporter in the Pacific Northwest, is celebrating its 75th anniversary. A division of LTI Inc., Milky Way has expanded its business over the years from Washington state to now serve producers in Oregon, Idaho and Montana. Milky Way entered the milk-hauling business in 1948 and, by the 1970s, was the largest motor carrier of bulk fluid milk within the state of Washington. It is still the premier hauler for the dairy industry throughout the Pacific Northwest.

"We are proud to mark this significant milestone, and we look forward to continuing to serve our customers in the Pacific Northwest region for many years to come," said LTI Inc./Milky Way President Eric Badger. "Over the past 75 years, we have seen many changes, but some things have not changed. Our drivers are still the best in the business, safely and reliably picking up milk and delivering it to processing centers each day, and we have dedicated support teams in each location making sure our local dairies and other farms are supported. We are also grateful for the loyalty of long-standing customers, vendors and partners that have contributed to our long-term success. We take pride in representing the traditional values of integrity, efficiency, and personal service throughout our organization."

Milky Way drivers are on the job every day of the week with service centers and support staff strategically placed throughout the Pacific Northwest. Drivers pick up milk from dairy producers using state-of-the-art stainless-steel tankers with truck-mounted pumps developed by Milky Way and sister company Lynden Tank Co. The pumps operate without external power allowing drivers to stay on schedule, loading and offloading liquids even during power outages at customer sites. Lynden Tank continues the fine craftsmanship of new tankers for the safe and efficient pickup and delivery of dairy products, and Milky Way is proud to pioneer the newest innovative transportation solutions to better serve customers.

on the morning of Jan. 17 when it ran into avalanche debris on the track. There were no injuries, but the impact derailed two locomotives, partially derailed a third and held up 7,000 tons of freight. The avalanche occurred the previous night, covering the track near Turnagain Arm with tons of snow and debris.

"The Alaska Railroad came knocking on our door at 5:30 a.m.," said Alex Clifford, Alaska West Express Anchorage service center manager. "Dave Heston was in the office and ready to help. They needed to get a 117,000-pound Cat 345B excavator moved from Anchorage to the avalanche site, which was about 3 miles south of Girdwood." Dave called one of Alaska West Express' long-time drivers, Aaron Smith, and told him about the situation. Aaron drove in from his home in Wasilla, hooked up the lowboy by 7 a.m. and delivered the equipment approximately five hours later so the railroad could dig the engines out. Workers had to clear a spot for him to fit the truck and lowboy in the snow. The oversized excavator is modified with larger tracks for flotation and a huge snow bucket.

"We couldn't get a train down to offload the Alaska Marine Lines rail barge in Whittier until the avalanche was cleaned up," Alex explains. Lynden's rail barges arrive in Whittier once a week from Seattle loaded with freight bound for different points in Alaska. The track was repaired on Jan. 24 and rail service was restored later that week allowing for offloading of the rail barge a few days later.

Coffman Anchorage project manager earns certification

Coffman Engineers Inc. said Jan. 25 that it is pleased to announce Michelle McGinnis' achievement on earning her project management professional certificate. She is a project manager in Coffman's corrosion control engineering department.

McGinnis joined Coffman in 2014 and has provided project controls and management services for numerous projects in the oil and gas, commercial construction and hospitality industries. Apart from being a NACE certified cathodic protection technician, McGinnis role as a project manager includes overseeing, reviewing and drafting project documentation, as well as overseeing company-wide project controls activities. She manages projects throughout the entire cycle of the project, including initiating, planning, executing, monitoring and closing phases of each project. Throughout the project McGinnis manages the project scopes, budgets, forecasts, schedules and contracts. McGinnis is also the corporate safety coordinator for Coffman, where she is part of a corporate safety committee that oversees safety aspects of the company, including proctoring required safety training, maintaining records, OSHA reporting and tracking client compliance through ISNetWorld.

McGinnis graduated from the University of Alaska Anchorage with a Bachelor of Arts in psychology degree, and is currently working towards her master's degree in business administration.

"Michelle excels in all that she does, and this latest accomplishment further exemplifies her continued development and leadership in the project controls/corrosion control groups," said Dan Stears, vice president of corrosion control.



MICHELLE MCGINNIS

COURTESY ALASKA WEST EXPRESS



Alaska West Express delivers cat stat

As reported by Lynden News Feb. 27, in January Alaska West Express was called upon to respond to a natural disaster. An Alaska Railroad freight train was heading into Anchorage early



Keeping Alaska Moving!

Thank you to our friends, neighbors, and valued customers for your ongoing support and partnership, and special thanks to each of our dedicated employees for their continued care, expertise, and ingenuity as we all work together to keep Alaska moving. We look forward to continuing to serve our communities by providing multi-modal transportation and logistics solutions across the entire state!

