April 15, 2021

To: Office of Energy Projects, Federal Energy Regulatory Commission, Department of Energy

Subject: Failure to Project Indirect Greenhouse Gas Emissions or Monetize Emissions in Environmental Assessment for the East Lateral Xpress Project (Docket No. CP20-527-000)

The Institute for Policy Integrity at New York University School of Law (“Policy Integrity”) respectfully submits the following comments on the Federal Energy Regulatory Commission’s (“FERC” or “the Commission”) Environmental Assessment for the East Lateral XPress Project (“Environmental Assessment”) by the Columbia Gulf Transmission, LLC. Policy Integrity is a non-partisan think tank dedicated to improving the quality of government decisionmaking through advocacy and scholarship in the fields of administrative law, economics, and public policy. Policy Integrity regularly submits comments to federal agencies on the social cost of greenhouse gases and assessments under the National Environmental Policy Act (“NEPA”) and the Natural Gas Act (“NGA”).

FERC recognizes the relevance of recent executive orders, including Executive Order 13,990, to assessing the significance of a project’s greenhouse gas emissions. Executive Order 13,990 emphasizes the importance of capturing the full costs of greenhouse gas emissions, and

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1 Id. at 72 (“We note that there have been a series of recent administrative changes and we continue to evaluate their impact on our review process. For example, on January 20, 2021, President Biden issued the Executive Order on Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis (EO 13990).”).

2 FED. ENERGY REG. COMM’N, EAST LATERAL XPRESS PROJECT ENV’T ASSESSMENT (Docket Nos. CP20-527-000) (Mar. 2021) [hereinafter “EA”].

3 Id. at 14 (citing the Commission’s Memorandum of Understanding with the U.S. Fish and Wildlife Service pursuant to Executive Order 13,186, 66 Fed. Reg. 3853 (Jan. 10, 2001), which only applies to executive agencies and departments, id. § 1 (c), as part of its rationale for rejecting the social cost of greenhouse gases); FED. ENERGY REG. COMM’N, PENNEAST PIPELINE PROJECT FINAL ENV’T IMPACT STMT. 1-14 (citing the Commission’s Memorandum of Understanding with the U.S. Fish and Wildlife Service pursuant to Executive Order 13,186, 66 Fed. Reg. 3853 (Jan. 10, 2001), which only applies to executive agencies, id. § 1.)

4 Exec. Order No. 13,990, 86 Fed. Reg. 7037 (Jan. 25, 2021). The Executive Order directs executive agencies to take specific actions, id. § 1, but all agencies can and should consider such presidential orders and national climate goals in assessing the significance of a project’s environmental impacts. See, e.g., EA at 40 (assessing migratory bird take in accordance with Executive Order 13,186, which also applied only to executive agencies, see 66 Fed. Reg. 3853 (Jan. 17, 2001)); see also Rio Grande LNG, LLC, 170 FERC ¶ 61,046, at P 104 (Jan. 23, 2020) [hereinafter “FERC Rehearing Order”] (citing Exec. Order No. 13,783 § 5(b), 82 Fed. Reg. 16,093 (Mar. 28, 2017), which applied only to executive agencies and departments, id. § 1(c), as part of its rationale for rejecting the social cost of greenhouse gases); FED. ENERGY REG. COMM’N, PENNEAST PIPELINE PROJECT FINAL ENV’T IMPACT STMT. 1-14 (citing the Commission’s Memorandum of Understanding with the U.S. Fish and Wildlife Service pursuant to Executive Order 13,186, 66 Fed. Reg. 3853 (Jan. 10, 2001), which only applies to executive agencies, id. § 1.)

5 Id. § 5, 86 Fed. Reg. at 7040 (“It is essential that agencies capture the full costs of greenhouse gas emissions as accurately as possible, including by taking global damages into account.”).
yet the Environmental Assessment fails to meaningfully disclose the Project’s full emissions or contextualize those emissions in terms of the climate damages they will cause. FERC states that the East Lateral XPress Project (the “Project”) will “provide 725 million standard cubic feet per day of firm transportation capacity to supply feed gas for Venture Global Plaquemines LNG, LLC’s liquefied natural gas facility in Plaquemines Parish.”6 Although it is not made clear in the Environmental Assessment, a factsheet from the Applicant indicates that of this 725 million cubic feet of daily capacity provided by the Project, 183 million cubic feet per day would be new.7 Basic calculations demonstrate that the combustion of this volume of natural gas could result in the emission of over 3.6 million metric tons of downstream emissions in carbon-dioxide equivalence per year—a figure that FERC fails to disclose.8 This is a potentially massive amount of emissions that vastly exceeds the annual operational emissions from the Project that FERC does disclose, which total approximately 182,602 metric tons per year.9 As FERC continues to assess this proposal, it should estimate and disclose the Project’s downstream and other indirect emissions and assess whether they are justified by any alleged benefits from the Project.

Indeed, both the quantified and unquantified emissions from the Project will produce substantial climate-related damages such as sea-level rise, increased strain on energy infrastructure, greater incidence of coastal storms and extreme weather events, and human health impacts and mortality from heat-related illnesses. While NEPA and the NGA require FERC to disclose and assess the significance of the contributions of its actions to such environmental impacts—and an available metric, the social cost of greenhouse gases, allows the agency to do just that—FERC fails to estimate such actual, real-world climate impacts. Yet, as the social cost metrics reveal, approval of the proposed action could result in over $205 million in annual climate costs from downstream emissions.10 This substantial cost bears heavily on assessing whether the Project is in fact in the public interest, and FERC’s failure to consider the severity and magnitude of the Project’s climate impacts is insufficient under NEPA and the NGA. The Commission should therefore apply these social cost metrics to assess climate harm as it continues to evaluate the Project.

6 EA at 1.
7 TC Energy, East Lateral XPress (ELXP) project, Fact Sheet,  
https://www.tcenergy.com/siteassets/pdfs/natural-gas/east-lateral-xpress-project/tc-east-lateral-xpress-fact-sheet.pdf  (explaining that “ELXP will create 183 MDth/d of incremental capacity,” which is equivalent to 183 million cubic feet.).
8 Full combustion of the additional 183 million cubic feet (or 183,000 Mcf) of natural gas per day that the Project would transport would release 10,031 metric tons of carbon dioxide equivalent per day. See EPA Greenhouse Gases Equivalencies Calculator, available at: https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator. Multiplying that total by 365 equals 3,661,315 metric tons per year.
9 EA at 68 (showing 91,470 tons of CO₂ per year from operations of the Centerville Compressor Station and 91,132 tons of CO₂ per year from the Golden Meadow Compressor Station, as well as 283.5 pounds per year of CO₂e in fugitive emissions).
10 The 2021 Interagency Working Group’s interim central estimate of the social cost of carbon for year 2025 emissions is $56 in 2020$. See Interagency Working Group on the Social Cost of Greenhouse Gases, Technical Support Document: Social Cost of Carbon, Methane, and Nitrous Oxide – Interim Estimates under Executive Order 13,990 (2021) [hereinafter “2021 TSD”]. Note that these new interim estimates are the same as those released by the IWG in 2016, only adjusted to 2020$ from 2007$. Id at 4. 3.66 million tons of CO₂e* $56 = $205.03 million. In a proper cost-benefit analysis, that calculation of costs from year 2025 emissions would be discounted back to present value.
The Commission recently recognized that “a proposed interstate natural gas pipeline’s reasonably foreseeable [greenhouse gas] emissions are relevant to whether the pipeline is required by the public convenience and necessity” and thus requires a careful significance assessment.\(^{11}\) Yet by measuring only a small fraction of the Project’s greenhouse gas emissions and failing to assess the significance of the emissions it does quantify, the Commission entirely disregards that conclusion and thus lacks a reasonable basis to conclude that the Project will have “no significant impact” on the environment.\(^{12}\) As the Commission continues to evaluate whether the Project is in the public interest, it should take a hard look at climate impacts and rationally assess whether the Project’s alleged benefits can justify those harms.

### Upstream and Downstream Emissions

Natural-gas transport projects regularly and foreseeably produce emissions beyond so-called “direct emissions”—i.e., those directly emitted from the construction and operation of transport infrastructure. Pipelines also produce two types of indirect emissions, widely referred to as “upstream” and “downstream” emissions.

“Upstream” emissions are greenhouse gases that result from the production of natural gas, including emissions spewed by production equipment and fugitive methane that escapes into the atmosphere through leaks or intentional release.\(^{13}\) Because transport projects make it cheaper to supply natural gas, they make natural gas more competitive in the market and therefore drive an increase in natural-gas production and associated emissions. As the U.S. Court of Appeals for the Ninth Circuit recently explained, a reduction in oil prices predictably means that “consumers will buy and consume more oil.”\(^{14}\) A natural-gas pipeline also predictably causes upstream emissions, and numerous tools are available to calculate these emissions.

“Downstream” emissions are those unleashed by the combustion of natural gas when converted into energy. Such combustion is a natural-gas transport project’s “entire purpose,”\(^{15}\) as the “vast majority, 97 percent, of all natural gas consumed [domestically] is combusted.”\(^{16}\) Total combustion-related emissions can be calculated from a pipeline’s transport,\(^{17}\) and typically far surpass the transport project’s direct emissions.\(^{18}\)

The NGA and NEPA require FERC to consider a pipeline’s total emissions—not just direct emissions—before approving a project. The NGA requires FERC to consider such


\(^{12}\) EA at 85 (“We recommend that the Commission’s Order…contain a finding of no significant impact…”).


\(^{14}\) *Ctr. for Biological Diversity v. Bernhardt*, 982 F.3d 723, 736 (9th Cir. 2020).

\(^{15}\) *Sierra Club v. FERC*, 867 F.3d 1357, 1372 (D.C. Cir. 2017) (“Sabal Trail”).

\(^{16}\) *Tennessee Gas Pipeline Co., LLC*, 170 FERC ¶ 61,142, P 8 (Feb. 21, 2020) (Glick, Comm’r, dissenting in part).


emissions because FERC must ensure a project is “required by the present or future public convenience and necessity.” This determination requires FERC to “balance the public benefits against the adverse effects of the project … including adverse environmental effects”—requiring it to fully assess the “environmental effects of pipelines it approves,” including indirect effects like downstream emissions. NEPA also requires FERC to meaningfully consider total emissions, as part of the hard look agencies must take at environmental consequences when considering major projects.

Yet confronted with its statutory obligations to consider both upstream and downstream greenhouse gas emissions, the Commission quantifies only the Project’s direct emissions from construction and operation, and does not even mention the possibility of upstream or downstream emissions. Such bare-bones consideration is clearly insufficient. And insofar as the Commissions believes that it cannot quantify the upstream and downstream emissions for the Project—as it has alleged for previous natural-gas transportation projects—it is mistaken.

With regard to upstream emissions, other agencies use models to predict how a project will affect the national energy mix and associated emissions. For instance, the Energy Information Administration, Surface Transportation Board, and other government offices have all used NEMS, “a general equilibrium electricity model” to capture effects on the global electricity market. The Environmental Protection Agency makes use of a similar model known as the Integrated Planning Model. And the Department of the Interior uses its own model known as MarketSim.

With regard to downstream emissions, the U.S. Court of Appeals for the D.C. Circuit has explained that FERC must “at least attempt to obtain the information necessary” to enable “reasonable forecasting” of emissions. While information about the end use of the transported gas would enable such forecasting, numerous agencies, including the U.S. State Department, Bureau of Land Management, and Office of Surface Mining, simply apply the “full burn”

19 Sabal Trail, 867 F.3d at 1379 (quoting 15 U.S.C. § 717f(e)).
20 Id. at 1373 (internal quotation marks omitted).
25 Birckhead v. FERC, 925 F.3d 510, 520 (D.C. Cir. 2019).
assumption—i.e., that a project’s full capacity will be used, with all fossil fuel combusted. 26 And the D.C. Circuit has required FERC to apply this approach unless more specific information is available. 27 Here, as noted above, that approach (which was performed by the undersigned, not the Commission) finds that the Project will emit over 3.6 million metric tons of carbon dioxide annually in downstream emissions. 28 Thus, the Project’s downstream emissions easily eclipse its direct emissions, and demonstrate the inadequacy of FERC’s decision to consider only direct emissions.

In disregarding the Project’s upstream and downstream emissions, FERC fails to capture the Project’s full environmental effects. As a result, the Commission cannot reasonably determine that the Project is “required by the present or future public convenience and necessity,” 29 nor can it fulfill NEPA’s twin aims to consider and disclose all significant environmental impacts. 30 As it continues to assess whether the Project is in the public interest, therefore, FERC must fully account for upstream and downstream impacts using available methods.

Environmental Impacts from Greenhouse Gas Emissions

While FERC’s failure to evaluate the vast majority of the Project’s emissions is unlawful by itself, the Commission compounds its error by failing to meaningfully evaluate the climate-related harms from the emissions it does consider.

Without assessing the impact of the Project’s emissions on climate changes and resulting health and welfare harms such as mortality or property damages, the Environmental Assessment nonetheless concludes that such emissions would have no significant impact on the environment. 31 This cursory and conclusory assessment does not satisfy the Commission’s obligations under the NGA and NEPA to meaningfully assess the significance of environmental harms including effects on climate change. And it disregards an available tool—the social cost of greenhouse gases—that allows for such an assessment.

Beginning with NEPA, mere quantification of greenhouse gas emissions is insufficient without an assessment of the harm that those emissions will cause. NEPA requires a “hard look” at both beneficial and adverse effects of each alternative option for major federal government actions. The U.S. Supreme Court has called the disclosure of impacts the “key requirement of NEPA,” and held that agencies must “consider and disclose the actual environmental effects” of a proposed project in a way that “brings those effects to bear on [the agency’s] decisions.” 32 The “impact of greenhouse gas emissions on climate change is precisely the kind of cumulative impacts analysis that NEPA requires,” and it is arbitrary and capricious not to “provide the

27 Sabal Trail, 867 F.3d at 1374.
28 See supra note 10 and accompanying text.
31 EA at 85 (“We recommend that the Commission’s Order…contain a finding of no significant impact…”).
32 Id. at 96.
necessary contextual information about the[se] cumulative and incremental environmental impacts."

The tons of greenhouse gases emitted by the Project (both directly and indirectly through upstream and downstream emissions) are not the “actual environmental effects” that must be assessed under NEPA. Rather, the actual effects are the incremental climate impacts caused by those emissions, including property lost or damaged by sea-level rise, coastal storms, flooding, and other extreme weather events, increased strain on energy infrastructure, and human health impacts including mortality from heat-related illnesses and changing disease vectors like malaria and dengue fever. Simply quantifying emissions is not enough: By calculating only the tons of greenhouse gases emitted, an agency fails to meaningfully assess the actual incremental impacts to property, human health, productivity, and so forth. To provide an analogous example, just quantifying the acres of timber to be harvested or the miles of road to be constructed does not constitute a “description of actual environmental effects,” even when paired with a qualitative “list of environmental concerns such as air quality, water quality, and endangered species,” when the agency fails to assess “the degree that each factor will be impacted.”

Turning to the NGA, likewise, Section 7 of that Act permits FERC to approve the construction of natural gas facilities only if the project is “required by the present or future public

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33 Ctr. for Biological Diversity v. Nat’l Highway Traffic Safety Admin., 538 F.3d 1172, 1217 (9th Cir. 2008); see also id. (“[T]he fact that climate change is largely a global phenomenon that includes actions that are outside of [the agency’s]control . . . does not release the agency from the duty of assessing the effects of its actions on global warming within the context of other actions that also affect global warming."); Border Power Plant Working Grp. v. U.S. Dep’t of Energy, 260 F. Supp. 2d 997, 1028–29 (S.D. Cal. 2003) (failure to disclose project’s indirect carbon dioxide emissions violates NEPA).

34 For a more complete discussion of actual climate effects, including air quality mortality, extreme temperature mortality, lost labor productivity, harmful algal blooms, spread of West Nile virus, damage to roads and other infrastructure, effects on urban drainage, damage to coastal property, electricity demand and supply effects, water supply and quality effects, inland flooding, lost winter recreation, effects on agriculture and fish, lost ecosystem services from coral reefs, and wildfires, see EPA, Multi-Model Framework for Quantitative Sectoral Impacts Analysis: A Technical Report for the Fourth National Climate Assessment (2017); U.S. Global Change Research Program, Climate Science Special Report: Fourth National Climate Assessment (2017); EPA, Climate Change in the United States: Benefits of Global Action (2015); Union of Concerned Scientists, Underwater: Rising Seas, Chronic Floods, and the Implications for U.S. Coastal Real Estate (2018).

35 See, e.g., Ctr. for Biological Diversity, 538 F.3d at 1216–17 (rejecting analysis under NEPA when agency “quantifie[d] the expected amount of [carbon dioxide] emitted” but failed to “evaluate the incremental impact that these emissions will have on climate change or on the environment more generally,” noting that this approach impermissibly failed to “discuss the actual environmental effects resulting from those emissions” or “provide the necessary contextual information about the cumulative and incremental environmental impacts” that NEPA requires); High Country Conservation Advocates v. U.S. Forest Serv., 52 F. Supp. 3d 1174, 1190 (D. Colo. 2014) (“Beyond quantifying the amount of emissions relative to state and national emissions and giving general discussion to the impacts of global climate change, [the agencies] did not discuss the impacts caused by these emissions.”); Mont. Env’t Info. Ctr. v. U.S. Office of Surface Mining, 274 F. Supp. 3d 1074, 1096–99 (D. Mont. 2017) (rejecting the argument that the agency “reasonably considered the impact of greenhouse gas emissions by quantifying the emissions which would be released if the [coal] mine expansion is approved, and comparing that amount to the net emissions of the United States”).

36 Klamath-Siskiyou Wildlands Ctr. v. Bureau of Land Mgmt., 387 F.3d 989, 995 (9th Cir. 2004) (“A calculation of the total number of acres to be harvested in the watershed is . . . not a sufficient description of the actual environmental effects that can be expected from logging those acres.”).
convenience and necessity.” Such a determination requires FERC to adequately consider a project’s environmental impacts, including climate consequences. And such an assessment requires more than a “passing reference to relevant factors,” but rather requires FERC to meaningfully and rationally consider all “relevant factors … within the scope of the authority delegated to the agency by the statute.” FERC cannot reasonably make this determination if it simply lists the volume of emissions without any meaningful consideration of the impacts that those emissions will have on the climate. Indeed, FERC cannot reasonably declare the Project to be in the public interest without carefully assessing its impacts on human health, extreme weather events, property damage, and other devastating impacts posed by climate change.

The Commission’s failure to meaningfully consider the impact of the Project’s greenhouse gas emissions on climate damages is particularly problematic because an available and widely-used tool—the social cost of greenhouse gases—allows for precisely such an assessment. The social cost of greenhouse gases methodology calculates how the emission of an additional unit of greenhouse gases affects atmospheric greenhouse concentrations, how that change in atmospheric concentrations changes temperature and related meteorological variables, and how those changes in temperature and other meteorological variables incrementally contributes to the above list of economic damages. The social cost of greenhouse gases tool therefore captures the factors that actually affect public welfare and assesses the degree of impact to each factor, in ways that just estimating the volume of emissions cannot. In fact, various agencies have used the social cost of greenhouse gases to assess a project’s climate impacts under NEPA.

FERC’s failure to monetize the social cost of the project’s emissions is particularly troubling because the agency’s attempts to contextualize these emissions provide a confusing and inadequate picture that minimize their impacts. Specifically, FERC compares the increase in direct emissions to Louisiana’s projected greenhouse gas emissions for 2025 and 2030, finding that the project would “represent 0.11 percent and 0.15 percent” of the state’s emissions in those years.

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38 See, e.g., Sierra Club v. FERC, 867 F.3d 1357, 1373 (D.C. Cir. 2017) (explaining that “FERC could deny a pipeline certificate [under Section 7 if] the pipeline would be too harmful to the environment,” and proceeding to assess the adequacy of the Commission’s analysis of greenhouse gas emissions).
41 Rio Grande LNG, LLC, 169 FERC ¶ 61,131 (Nov. 22, 2019) (Glick, Comm’r, dissenting), at P 2 (“Claiming that a project generally has no significant environmental impacts while at the same time refusing to assess the significance of the project’s impact on the most important environmental issue of our time is not reasoned decisionmaking.”).
43 See e.g., BUREAU OF OCEAN ENERGY MGMT., FINAL ENVIRONMENTAL IMPACT STATEMENT OF COOK INLET PLANNING AREA OIL AND GAS LEASE SALE 244 (BOEM 2016-069) (Dec. 23, 2016); see also Peter Howard & Jason Schwartz, Think Global: International Reciprocity as Justification for a Global Social Cost of Carbon, 42 COLUM. J. ENV’T L. 203, 270–84 (2017) (listing all uses by federal agencies through mid-2016, including numerous NEPA assessments).
years, “assuming reductions from 2005 levels” that prescribed by executive targets. But these figures are deeply misleading. To begin, this comparison excludes the Project’s significant downstream emissions, which are 20 times greater than the projected operational emissions. Furthermore, using comparisons of this sort, it is easy for FERC to make highly significant effects appear relatively trivial. As the U.S. Court of Appeals for the Fifth Circuit recently observed, even a seemingly “very small portion” of a “gargantuan source of [harmful] pollution” may nevertheless “constitute[] a gargantuan source of [harmful] pollution on its own terms.” In other words, percentages can be misleading and manipulated by the choice of the denominator. What matters, therefore, is the proposal’s actual contribution to total harm, and the damage estimates here—over $205 million annually from downstream emissions—are quite substantial.

Applying the social cost of greenhouse gases is straightforward and provides information that would be very useful to the Commission’s assessment here. The most widely used estimates of the social cost of greenhouse gases were developed by the federal Interagency Working Group on the Social Cost of Greenhouse Gases (“Working Group”), a coordinated effort among twelve federal agencies and White House offices. The Working Group released estimates in 2010 and updated them in 2016 to “provide a consistent approach for agencies to quantify [climate change] damage in dollars.” This past February, the Working Group once again reaffirmed its previous numbers as reflecting “the best available science,” though the Working Group acknowledged that these valuations “likely underestimate societal damages from [greenhouse gas] emissions” and began a process to update these valuations by January 2022. As the Working Group explained, agencies should apply the social cost metrics to any “relevant agency actions”—not just regulations.

Many authorities endorse the Working Group’s estimate of the social cost of greenhouse gases. In 2016 and 2017, the National Academies of Sciences issued two reports that, while recommending future methodological improvements, broadly supported the continued use of the Working Group’s estimates. Distinguished economists have explained that the Working Group’s estimates remain the best numbers available to federal agencies. And the U.S. Court of Appeals for the Seventh Circuit upheld agency reliance on these estimates.

Using the central value identified by the Working Group, the methodology reveals that the Project’s downstream emissions—assuming full burn—would cause approximately $205

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44 EA at 73.
45 3.66 million metric tons per year divided by 182,602 metric tons per year equals 20.05. See supra notes 8 and 9.
46 Sw. Elec. Power Co. v. EPA, 920 F.3d 999, 1032 (5th Cir. 2019).
48 2021 TSD at 3–4.
49 Id. at 14.
52 Zero Zone, Inc. v. U.S. Dep’t of Energy, 832 F.3d 654, 678 (7th Cir. 2016).
million in annual climate damage.\textsuperscript{53} Even the Project’s direct operational emissions alone (not even including direct construction emissions) would cause over $10.25 million in annual climate harm.\textsuperscript{54} These substantial costs help disclose the intensity and significance of the Project’s climate harms pursuant to NEPA and would bear heavily on assessing whether the Project is in fact in the public interest under the NGA. Should this Commission approve the Project without using this methodology or offering any other rational assessment of the severity of resulting climate harms, its determination would be arbitrary and capricious.

\textbf{FERC Selectively Applies Recent Executive Orders}

FERC notes that it is considering the implications of recent executive orders on its analysis of greenhouse gas emissions, but holds onto flawed reasoning adopted under the past administration that there is no available methodology to determine the incremental impacts of the Project on climate change.

The Environmental Assessment specifically cites Executive Order 13,990 on \textit{Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis}\textsuperscript{55} and Executive Order 14,008 on \textit{Tackling the Climate Crisis at Home and Abroad}.\textsuperscript{56} However, FERC fails to acknowledge that the former supports the Commission’s use of the social cost metric in the Environmental Assessment.\textsuperscript{57} In particular, the Order says that “[i]t is essential that agencies capture the full costs of greenhouse gas emissions as accurately as possible,” and that doing so “facilitates decision-making.”\textsuperscript{58} As called for in that Order, the Interagency Working Group on the Social Cost of Greenhouse Gases has since reconvened and released interim estimates of the social cost metrics that reflect its prior valuations.\textsuperscript{59} Reading these two orders as limited to nonbinding decarbonization goals, as FERC does here, is insufficient and inaccurate.

Invoking Executive Order 13,990 as a basis to monetize climate damages would also be consistent with the Commission’s prior practice. Specifically, FERC in the past has cited an executive order from former President Trump as part of its rationale for declining to apply the social cost metrics.\textsuperscript{60} Now that the federal government has revoked that Trump-era executive order and replaced it with an order that reinstates the social cost of greenhouse gases and endorses its use throughout executive policymaking, FERC should similarly invoke Executive

\textsuperscript{53} \textit{See supra} note 10 and accompanying text.

\textsuperscript{54} The Interagency Working Group’s central estimate of the social cost of carbon for year 2025 emissions is $56 in 2020$. 2021 TSD at 5. (91,470 metric tons of CO2e + 91,132 metric tons of CO2e) * $56 = $10.23 million. In a proper cost-benefit analysis, that calculation of costs from year 2025 emissions would be discounted back to present value.

\textsuperscript{55} \textit{Supra} note 4.


\textsuperscript{57} EA at 72-73.

\textsuperscript{58} Exec. Order No. 13,990 § 6. While the Executive Order directs executive agencies to take specific actions, any agency can and should consider the national climate goals set in such presidential order when assessing the significance of a project’s environmental impacts. \textit{See}, e.g., EA at 40 (assessing migratory bird take in accordance with Executive Order 13,186, which also applied only to executive agencies, \textit{see} 66 Fed. Reg. 3853 (Jan. 17, 2001)).

\textsuperscript{59} \textit{See generally} 2021 TSD.

\textsuperscript{60} FERC Rehearing Order, \textit{supra} note 4, at P 104.
Order 13,990 as justification for why it is appropriate to evaluate the Project’s climate impacts using the social cost of greenhouse gases.

The Commission’s narrow reading also leads FERC to claim that “Commission staff has not identified a methodology to attribute discrete, quantifiable, physical effects on the environment resulting from the Project’s incremental contribution to GHGs.” This reasoning is also reflected in numerous environmental assessments conducted under the Trump administration. However, the Working Group’s social cost metrics do just that. In fact, a key advantage of using the social cost of greenhouse gas tool is that each physical impact—such as sea-level rise and increasing temperatures—need not be assessed in isolation. Instead, the social cost of greenhouse gases tool conveniently groups together a multitude of climate impacts and enables agencies to assess whether all those impacts are cumulatively significant and to compare those impacts with other impacts or alternatives using a common metric. Accordingly, the social cost metrics provide the very methodology that Commission staff has sought to identify.

Now that the Working Group has released interim estimates based on the 2016 values, FERC should update the Environmental Assessment so that it can assess the climate damages caused by the Project’s direct, upstream, and downstream emissions, and reconsider whether the Project is in the public interest in light of those findings.

Conclusion

Policy Integrity hereby attaches its October 2019 comments on FERC’s Draft Environmental Impact Statement for the Alaska LNG Project, submitted jointly with six other groups, which provides further detail on the social cost of greenhouse gases and rebuts specific arguments that the Commission has offered against the methodology in prior determinations. Policy Integrity also attaches its 2019 report titled “Pipeline Approvals and Greenhouse Gas Emissions,” which further explains FERC’s legal obligations to assess climate-related impacts in pipeline approvals. Additionally, Policy Integrity attaches several other documents referenced in these comments. FERC should consider all relevant arguments expressed in the attached documents to be comments made on the Environmental Assessment as well. As these documents further explain, and as detailed above, FERC should engage in further analysis of the Project’s climate impacts and reassess whether the Project serves the public interest.

Sincerely,

Iliana Paul, Senior Policy Analyst
Max Sarinsky, Senior Attorney
Jason A. Schwartz, Legal Director

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61 EA at 72.
62 See, e.g., Fed. Energy Reg. Comm’n, FM100 Project and the Leidy South Project Environmental Assessment (CP19-491-000, CP19-494-000) at B-156 (Feb. 2020) (“Currently, there is no universally accepted methodology to attribute discrete, quantifiable, physical effects on the environment to the Projects’ incremental contribution to [greenhouse gases].”).
Attached:

1) Joint Comments on the Failure to Use the Social Cost of Greenhouse Gases in the Alaska LNG Project Draft Environmental Impact Statement (Docket No. CP17-178-000)


