

OP-21 Energy Inventory Accounting and Actions During an Energy Emergency

Appendix A: Generator Fuel Inventory Survey

Contact Information

2001	Your Name	<input type="text"/>	enter your name for questions about this survey
2002	phone number	<input type="text"/>	enter phone number
2003	email address	<input type="text"/>	enter email address

Generator Information

2004	Generator Name (3 or 4 character asset name)	<input type="text"/>	select unit
<i>This survey is being sent to generators that ISO New England is aware of having the ability to burn oil or coal.</i>			
<i>If this generator is not capable of burning oil or coal, please explain what changes have been made at the bottom of this survey.</i>			
2005	Do you have plans to retire the ability to burn coal or oil within two months?	<input type="text"/>	select yes or no

Oil Inventory

2006	What is the station's maximum useable storage capacity?	<input type="text"/>	enter gallons	
2007	What is the current useable inventory of oil on site at this moment?	<input type="text"/>	enter gallons	
2008	Do you have plans to order more oil within the next two months?	<input type="text"/>	select yes or no	
2009	If so, what is the expected date of receipt?	<input type="text"/>	enter date	
2010	What quantity has been ordered?	<input type="text"/>	enter gallons	
2011	Is the fuel supplier under contract for guaranteed delivery ?	<input type="text"/>	select yes or no	
2012	Has an alternate supplier been identified in case of failure of your primary delivery source?	<input type="text"/>	select yes or no	
2013	Assuming normal replenishment methods, what is the maximum output this generator can sustain indefinitely?	<input type="text"/>	enter MW	
2014	How long does it take for fuel to arrive after placing an order?	<input type="text"/>	enter days	
2015	If fuel replenishment is on a set schedule, how much time occurs between replenishments? Enter 9999 if not.	<input type="text"/>	enter days	
2016	What is the maximum volume of oil that can be delivered in a single shipment? Enter 9999 if no limit.	<input type="text"/>	enter gallons	
2017	At what typical oil level is a replenishment ordered?	<input type="text"/>	enter gallons	
2018	Does your resource have any environmental challenges or constraints that may impact the ability of your Resource to operate?	<input type="text"/>	select yes or no	
2019	If you selected yes for question 2018 please provide as much detail as possible to allow the ISO to have situational awareness of these environmental constraints. Also, please describe any special circumstances where the ISO might be able to assist your Resource to relieve the described environmental constraints.	<input type="text"/>	free form entry	
2020	Select all of the generator assets that share this oil inventory.	Unit 1	<input type="text"/>	select unit
2021		Unit 2	<input type="text"/>	select unit
2022		Unit 3	<input type="text"/>	select unit
2023		Unit 4	<input type="text"/>	select unit
2024		Unit 5	<input type="text"/>	select unit
2025		Unit 6	<input type="text"/>	select unit
2026		Unit 7	<input type="text"/>	select unit
2027		Unit 8	<input type="text"/>	select unit

Coal Inventory

2028	What is the station's maximum storage capacity for coal?		enter tons
2029	What is the current inventory of coal on site at this moment?		enter tons
2030	Do you have plans to order more coal within the next two months?		select yes or no
2031	If so, what is the expected date of receipt?		enter date
2032	What quantity has been ordered?		enter tons
2033	Is the fuel supplier under contract for guaranteed delivery ?		select yes or no
2034	Has an alternate supplier been identified in case of failure of your primary delivery source?		select yes or no
2035	Assuming normal replenishment methods, what is the maximum output this generator can sustain indefinitely?		enter MW
2036	How long does it take for fuel to arrive after placing an order?		enter days
2037	If fuel replenishment is on a set schedule, how much time occurs between replenishments? Enter 9999 if not.		enter days
2038	What is the maximum amount of coal that can be delivered in a single shipment? Enter 9999 if no limit.		enter tons
2039	At what typical coal level is a replenishment ordered?		enter tons
2040	Does your resource have any environmental challenges or constraints that may impact the ability of your Resource to operate?		select yes or no
2041	If you selected yes for question 2040 please provide as much detail as possible to allow the ISO to have situational awareness of these environmental constraints. Also, please describe any special circumstances where the ISO might be able to assist your Resource to relieve the described environmental constraints.		free form entry
2042	Select all of the generator assets that share this coal inventory.	Unit 1	select unit
2043		Unit 2	select unit
2044		Unit 3	select unit
2045		Unit 4	select unit
2046		Unit 5	select unit
2047		Unit 6	select unit
2048		Unit 7	select unit

Additional Information

2049	Have any of your fuel supply procurement processes been compromised for any reason? Reasons include but are not limited to: <ul style="list-style-type: none"> • Lack of refinement capability from your supplier • Limited trucking capability • Navigational issues If so, please use this space to describe.		free form entry
2050	Do you have personnel on staff to start up and operate this generator 24 hours per day, 7 days per week?		select yes or no
2051	If not, how many hours notice are required to meet the staffing requirements to start and operate the generator?		enter hours
2052	Will this generator be ready to operate under the expected conditions for the upcoming winter, including the ability for dual fuel units to switch fuel?		select yes or no
2053	Additional Comments: Any additional information that you would like to provide to ISO New England System Operations at this time?		free form entry

Dual Fuel Units

2052	How long does it take to switch from primary to alternate fuel?		enter-hours
2053	How long does it take to switch from alternate to primary fuel?		enter-hours
2056	What are your manufacturer's dual fuel switch testing requirements? If none, write "None".		free form entry
2057	When was the last test performed?		enter-date
2058	Was the test performed on the above date successful?		select-yes-or-no
2059	What is the operating capability of the generator while switching from primary fuel to alternate fuel? Enter 0 if the generator is not capable of switching while online.		enter-MW
2060	What is the maximum output when operating on the alternate fuel?		enter-MW
2061	What is the manual response rate for the generator while operating on the alternate fuel?		enter-MW/min
2062	Is the generator capable of starting up without natural gas?		select yes or no
2063	How many startups can this generator perform daily on the alternate fuel? Enter 9999 if unlimited.		enter number
2064	What is the weekly limit for startups on the alternate fuel? Enter 9999 if unlimited.		enter number
2065	Can the generator operate on both fuels simultaneously?		select yes or no
2066	Does extended continuous operation on the alternate fuel impose any additional maintenance requirements that would impact the availability of the unit? If yes, please provide details on the nature of the maintenance required and anticipated impacts.		free form entry

Monthly Fuel Burn

2068	How much oil did this unit burn for the duration of the month just completed since completion of the last survey?		enter gallons
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Environmental/Emission Information

2069	Does the station have any environmental or emissions limitations that may impact the availability of the generators at this station? If yes, please provide details in Questions 2070-2078 below.		select yes or no
2070	For the most limiting emissions limit at this time, what is the pollutant?		select pollutant
2071	For the most limiting emissions limit at this time, what is the limit periodicity?		select periodicity
2072	For the most limiting emissions limit at this time, how much of the limit is remaining?		enter lbs
2073	For the most limiting emissions limit at this time, is there any additional information you would like to provide at this time?		free form entry
2074	For the second most limiting emissions limit at this time, what is the pollutant?		select pollutant
2075	For the second most limiting emissions limit at this time, what is the limit periodicity?		select periodicity
2076	For the second most limiting emissions limit at this time, how much of the limit is remaining?		enter lbs
2077	For the second most limiting emissions limit at this time, is there any additional information you would like to provide at this time?		free form entry
2078	Are there any additional environmental limitations at this time? (seasonal permitting, water restrictions, etc.) If yes, please provide details of the nature of the limitation and any anticipated impacts it may cause.		free form entry

OP-21 APPENDIX A REVISION HISTORY

Rev. No.	Date	Reason
Rev 0	11/4/2005	
Rev 1	10/13/2006	Revised OP for permanent use
Rev 2	8/28/2014	Revised document for monthly Fuel Inventory Report and new OP-21 format
Rev 3	5/19/2015	Revised to add clarifications regarding environmental constraints and added the monthly fuel burn section, question 2068
Rev 3.1	6/15/2016	Periodic review performed requiring no changes
Rev 3.2	2/26/2018	Periodic review performed requiring no changes
Rev 4	TBD	Revised for new emissions questions and to remove questions for which answers can be sourced from other databases