

NGDA Dataset Report

Official NGDA Title: Outer Continental Shelf Active Renewable Energy Leases

Metadata Record Title: Outer Continental Shelf Active Renewable Energy Leases

A-16 NGDA Theme: Cadastre

Executive NGDA Theme Champion(s):

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Dataset Manager(s):

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Metadata:

Registration Status: Complete

Registered on 6/16/2015

GeoPlatform Link*: <https://www.geoplatform.gov/node/243/d4d44681-77d5-42cd-8976-849f5a8d049e>

Data.gov Metadata Link*: <http://catalog.data.gov/harvest/object/86815714-7a44-4a1d-901d-66d7bed13598/html>

*If the metadata has been updated and reharvested after publication of this report, the link may no longer be valid. The dataset may be searched for manually in Data.gov or GeoPlatform.gov.

NGDA Lifecycle Maturity Assessment (LMA) Report

Time Frame:

From 2010 to 2015

LMA Submission:

Status: Complete

Date: 10/28/2015

Extension Requested: No

LMA Reviewer(s):

Supervisor: Did not review

Theme Lead: Did not review

Executive Champion: Did not review

SAOGI*: Did not review

Other: Christine Taylor, christine.taylor@boem.gov

LMA Verifier:

Name: Christine Taylor

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Attachments:

To get access to any attachments referenced in the report, email the LMA Help Desk at NGDA_LMA_help@fgdc.gov. Please use the subject "Dataset Report Attachment(s)" and indicate the associated official NGDA title.

*Senior Agency Official for Geospatial Information (SAOGI)

Lifecycle Maturity Assessment (LMA) Summary

Overall Maturity:

Managed; Predictable

General Questions: 75%

Mature; Consistent

Stage 4 - Access: 100%

Optimized; Established

Stage 1 - Define/Plan: 100%

Optimized; Established

Stage 5 - Maintain: 0%

No Activity

Stage 2 - Inventory/Evaluate: 100%

Optimized; Established

Stage 6 - Use/Evaluate: 33%

Transition; Transformation

Stage 3 - Obtain: 66%

Managed; Predictable

Stage 7 - Archive: 33%

Transition; Transformation

NGDA Dataset Maturity Definitions:

How To Calculate Maturity: https://www.geoplatform.gov/sites/default/files/How_to_Calculate_Maturity.pdf

Maturity	Maturity Characteristics for All Lifecycle Stages
Optimized; Established Rank = 5	Dataset meets virtually all business needs of all users. The dataset is considered authoritative by owners and secondary users. It is curated across all stages of the approved lifecycle. Future needs are defined on a regular basis and resources for addressing both current and future business requirements are available.
Mature; Consistent Rank = 4	Dataset meets all the business needs of the primary owner and most of the secondary users. The dataset is curated and used as authoritative by the primary owner. Dataset is used widely by secondary users actively engaged in sustaining the dataset. Future needs are identified and steps are planned to address these. All stages are supported and reviewed on a recurring basis. The dataset is well managed in relation to the approved lifecycle.
Managed; Predictable Rank = 3	Dataset meets a significant number of the business needs of the primary owner and is widely used as an authoritative resource by secondary users. Benchmark activities are occurring in at least four of the approved lifecycle stages. Management practices in relation to the approved lifecycle is moderate but consistent. Dataset is integrating changing business requirements in lifecycle stages impacting overall maturity.
Transition; Transformation Rank = 2	Dataset meets business needs of the primary owner and has moderate use by secondary users. Benchmark activities are occurring in at least three stages. Efforts to integrate funding, include partners, and obtain data are not supported in a sustained manner. Management practices in relation to the stages of the approved lifecycle is limited.
Planned; Initial Development Rank = 1	Dataset limited in meeting business needs of the primary owner. Benchmark activities in the approved lifecycle are just starting to consider secondary uses, partnerships are forming to support additional dataset uses. Dataset development is in a very early stage. Minimal or limited management against the benchmarks in the approved lifecycle.
No Activity Rank = no activity	Dataset meets project or local business needs of the primary owner, secondary or additional uses or users were not considered, not recognized as an authoritative data or is part of a similar dataset. Not managed to any of the benchmarks in the approved lifecycle.

General Questions for All Stages

1) Is there a recurring process to obtain funding for all lifecycle stages of this dataset?

Answer: Funding is from local offices, budgeting effort minimal, staffing minimal.

Justification Comment:

Attachment(s): 0

The dataset represents the designated lease area after the full planning process is complete. Currently, the only updates required are when Wind Energy Areas are listed in the Federal Register and the lease is signed by the lessee. This is typically within the budgeted duties of 1-2 GIS specialists and requires no additional funding.

2) Is there a process in place to ensure that open government and transparency guidelines are followed in all lifecycle stages for this dataset?

Answer: Process is published as appropriate with respect to sensitivity requirements, process is transparent, published appropriately.

Justification Comment:

Attachment(s): 0

OREP's planning process before the leasing stage is conducted by established state task forces for each planning area and represented by state, local, federal, tribal and other stakeholders, such as the maritime and shipping communities as well as fishing and wildlife representatives. Usually two task force meetings occur each year and can take 3 years from beginning to end by the time a lease is signed. Each stage of the process is also put into the Federal Register. Examples of these stages include Request for Interest (RFI), Call Area, Wind Energy Area (WEA), Proposed Sale Notice and Final Sale Notice when the area finally becomes a lease. Examples can be found by clicking on each state in the link below.

<http://www.boem.gov/Renewable-Energy-State-Activities/>

3) Are there processes and tools in place so that staff are sufficiently knowledgeable to ensure a continuity of the dataset for all stages of the lifecycle, especially during staffing transitions?

Answer: Processes and tools to ensure dataset continuity are in place and implemented for all lifecycle stages.

Justification Comment:

Attachment(s): 0

The link from the last question provides an ongoing record of all changes made to the lease areas and legal descriptions of each lease area provide a permanent record of the areas represented outside of GIS. A cataloging and map ID system was created so that every map made within OREP can be tracked to source files and map layouts, so that any new user would be able to continue with the process.

STAGE 1 - Define/Plan

4) Are user and business requirements defined and formalized?

Answer: A recurring process is in place, including defining new partner and stakeholder business needs as they arise, and is fully implemented.

Justification Comment:

Attachment(s): 0

The question was identified earlier in the OREP stakeholder planning process.

5) How are partners/stakeholders involved in the requirements collection process?

Answer: A recurring process is in place, including defining new partner and stakeholder business needs as they arise, and is fully implemented.

Justification Comment:

Attachment(s): 0

Stakeholders are included in the planning process over a multi-year period until each area becomes a

lease. Their input is used to constantly refine the area based on conflict ID and area reduction.

6) Is there a quality assurance process for the dataset?

Answer: Quality assurance published as appropriate with respect sensitivity requirements.

Justification Comment:

Attachment(s): 0

This would have more to do with the original source of the actual OCS blocks and be represented by BOEM Mapping and Boundary Branch, not OREP. We do however have a process for identifying the blocks throughout the planning process. These steps involve far more than GIS and are part of the OREP planning process as a whole. The OREP published Final Rule identifies the role of GIS and the specifics for identifying areas for leasing.

http://www.boem.gov/uploadedFiles/30_CFR_585.pdf

7) Is there a process to evaluate the sensitivity, privacy, and confidentiality of this dataset?

Answer: Sensitivity, privacy, and confidentiality evaluations fully implemented, reviewed and updated on a recurring basis.

Justification Comment:

Attachment(s): 0

The dataset is entirely public.

8) Are defined data standards used in collecting, processing, and/or rendering the data?

Answer: Standards fully implemented documented and published as appropriate.

Justification Comment:

Attachment(s): 0

The standards are defined by BOEM's leasing block cadastre represented by the Mapping and Boundary Branch. The blocks themselves are not defined by OREP, only selection of the appropriate blocks for each lease area identified in the OREP planning stage.

Mapping and Boundary Cadastre

<http://www.boem.gov/Maps-and-GIS-Data/>

STAGE 2 - Inventory/Evaluate

9) Is there a process for determining if data necessary to meet requirements already exist from other sources (either within or outside the agency) before collecting or acquiring new data?

Answer: Process for determining appropriate data is being reused fully implemented, reviewed, and updated on a regular basis.

Justification Comment:

Attachment(s): 0

I'm not sure why there is not a answer choice of no for this question.

There is no other duplicate data to be used for the leasing of BOEM cadastre blocks. BOEM created the leasing process and the cadastre for leasing in federal waters.

STAGE 3 - Obtain

10) Is there a process for obtaining data in relation to this dataset?

Answer: No.

Justification Comment:

Attachment(s): 0

No. The data is produced internally by the Mapping and Boundary Branch.

11) Is the metadata in a FGDC endorsed geospatial metadata standard?

Answer: Metadata is available in a format endorsed by the FGDC, it fully describes the dataset and provides all the information required to make the dataset discoverable, accessible, and usable.

Justification Comment: **Attachment(s):** 0
<http://catalog.data.gov/dataset/outer-continental-shelf-active-renewable-energy-leases>

12) How complete is the geographic coverage as defined in the requirements for the dataset?

Part 1 Answer: Business requirements for cyclic updates identified and a process is in place.

Part 2 Answer: Dataset has presently attained the greatest geographic coverage as defined by the current requirements or roughly 100%.

Justification Comment: **Attachment(s):** 0
Atlantic Outer Continental Shelf - Maine to Florida. Blocks at 1 meter resolution. The blocks used for leasing do not intersect States Land Act (3nm) boundary and do not need to be updated for accuracy do to erosion.

STAGE 4 - Access

13) Do you have a process for providing users access to the data in an open digital machine readable format?

Answer: User access process is fully implemented, data is available, process is reviewed and updated on a recurring basis.

Justification Comment: **Attachment(s):** 0
The data is available on the BOEM web page, viewable and downloadable on marinecadastre.gov and available on data.gov.

STAGE 5 - Maintain

14) Is there a maintenance process for updating and storing the dataset?

Answer: No.

Justification Comment: **Attachment(s):** 0
The stored dataset is 69KB and is backed up and maintained on BOEM servers. Copies are also maintained on NOAA servers. Updating was address in previous questions.

15) Is there an error correction process as part of dataset maintenance?

Answer: No.

Justification Comment: **Attachment(s):** 0
No.

STAGE 6 - Use/Evaluate

16) Is there a process to determine if the dataset meets user needs?

Answer: No.

Justification Comment: **Attachment(s):** 0
The dataset is authoritative representation of leasing blocks and must adhere to the long established BOEM block cadastre and cannot be represented in another form. Zipped shapefile has been used for the delivery format due to feedback from outside users.

17) Is there a process to provide users information on how to access and properly use the dataset?

Answer: Process is fully implemented supporting access and proper use, process is reviewed on a recurring basis.

Justification Comment: **Attachment(s):** 0
The metadata includes detail descriptions and well as web links to BOEM pages specific to each leasing area. The data is also available for viewing on marinecadastre.gov.

18) Are the business processes and management practices assessed to meet changing technology?

Answer: No.

Justification Comment:**Attachment(s):** 0

Shapefiles are still used for delivery due to their ubiquity and the extremely simple file and table structure of the leasing areas dataset.

STAGE 7 - Archive

19) Is there an archiving process for the dataset?

Answer: Archival and/or disposition processes are in development.

Justification Comment:**Attachment(s):** 0

The dataset is backed up in multiple locations and record of each iteration are available.