

Roads Under OGAA

Oil and Gas Road Regulation

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Notice to reader

- Presentation on Oil and Gas Road Regulation (OGRR)
- Refer to Act and Regulations
 - OGAA, OGRR, C&NR, EPMR for correct and complete understanding and wording

Objectives

- Legal Framework, Permitting, C&NR, EPMR, Other BC Acts and Regulations
- OGRR - regulation of oil and gas roads
 - Construction, Maintenance, Use and Deactivation
- Transition provisions – existing roads

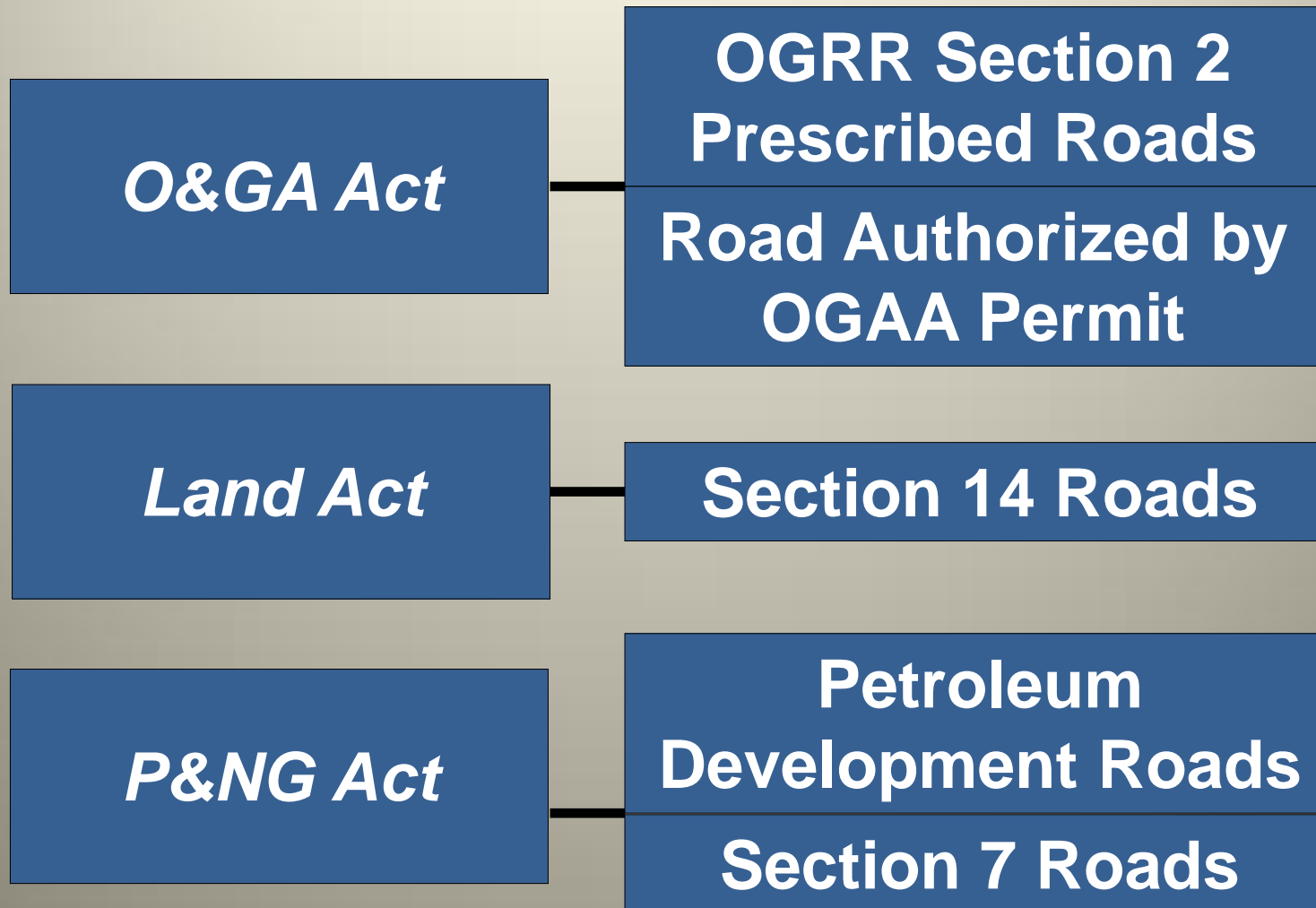
Agenda

Topic	Length
1. Welcome and Introductions - OGRR Implementation	10 min
2. Legal Framework & Permitting	10 min
3. Oil and Gas Road Regulation <ul style="list-style-type: none">• Construction and Modification (OGRR Part 3)• Expectations for Maintenance (OGRR Part 4)• Road Use Rules (OGRR Part 5)• Expectations for Deactivation (OGRR Part 6)	40 min
Break	15 min
7. Transition to OGRR	35 min
8. Summary and Wrap-up	10 min

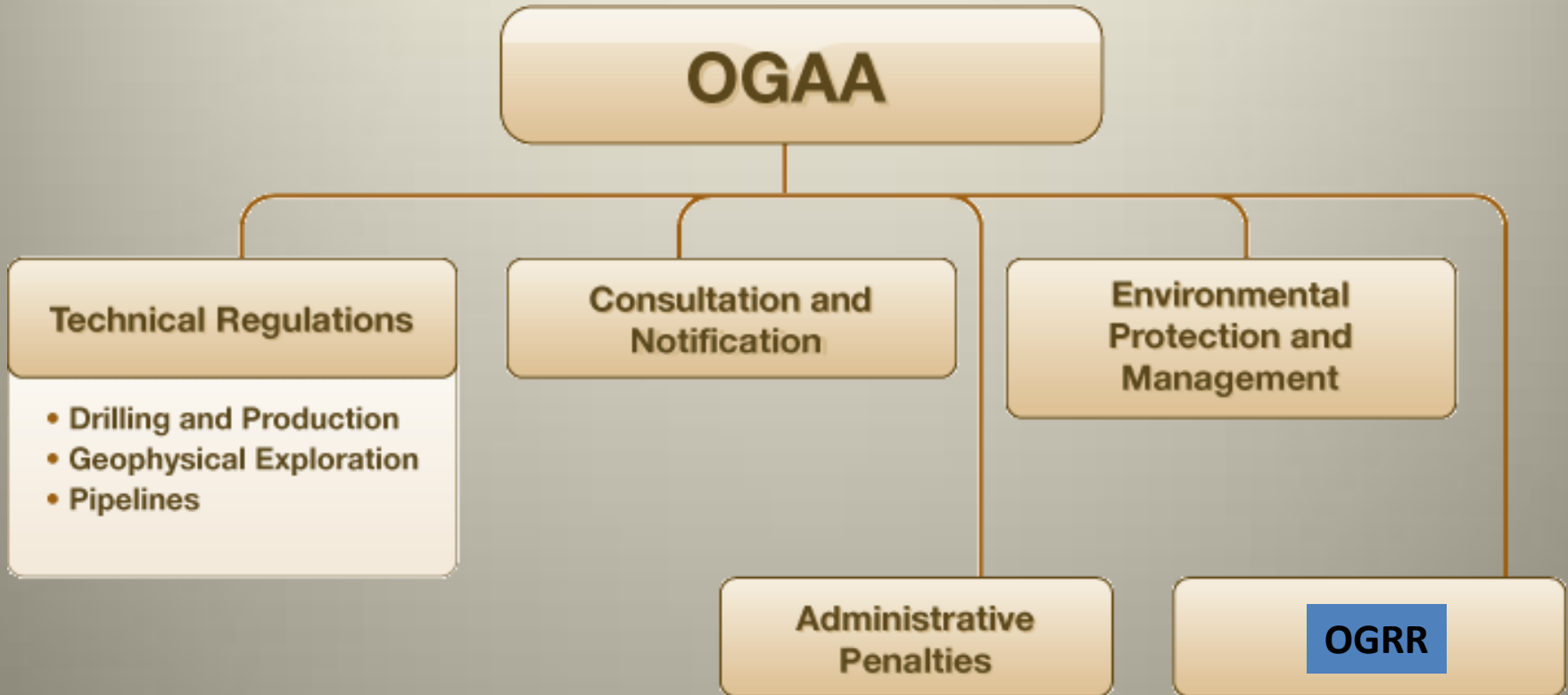
Key Policy for Roads



Legal Framework



Legal Framework - OGAA



OGRR Core Obligations

A Road Permit Holder must:

Before Construction
Notify - Part 2

Follow Construction
Standards - Part 3

Follow Maintenance
Standards - Part 4

Follow Deactivation
Standards - Part 6

All OGAA Permit Holders must:

Follow Road-Use Rules
Part 5

Permitting & Roads

Roads under OGRR



Approvals for Roads

- OGC to regulate roads under OGRR
- Consultation and Notification requirements
 - Apply to construction (and maintenance on private land)
- Environmental Protection and Management
 - Applies to road right of ways
- Surface Rights Board on private land



Road Permits

- Permits issued under OGAA and the *Land Act*
 - OGAA Road Permit required for construction and maintenance of existing roads
 - 10-year terms still available on Crown land (s 14 *Land Act* permit)
- Petroleum Development Roads (PDRs) regulated by OGRR
 - PDR Regulation will be repealed July 3, 2013
 - May apply for OGAA Road Permit
- Follow the OGAA, OGRR, C&N and EPMR requirements
 - Consultation and Notification
 - Environmental Protection and Management objectives
 - Build, Maintain, Use and Deactivate



Notification of Construction

- Notify the OGC, land owners and affected rights holders and First Nations
 - Minimum of 3 days, Maximum of 30 days before construction, or
 - As soon as practicable if its an emergency
- Notice must give
 - Road location, permit number
 - Contact name and information
 - Construction start and end dates



Construction and Modification

Part 3

Roads Under OGRR



Construction

- Intent
 - Ensure safe for intended use
 - Protect & manage environment, meet objectives
 - Avoid sedimentation, local source seed exposed soils
- Overview
 - Notify before start
 - Follow OGRR rules
 - Keep records



Clearing Widths

- Ensure clearing widths within road right of way.
- Account for:
 - Safe construction, maintenance and road use
 - Topography, drainage, terrain stability
 - Safe operations considering placement of materials, equipment or snow



Design & Build of Bridges

- Build bridges to CSA code
- Design for peak flow
 - 10, 50 or 100 years



Design & Installation of Culverts

- Install culverts built to CSA code
- Design for peak flow
 - 10, 50 or 100 years



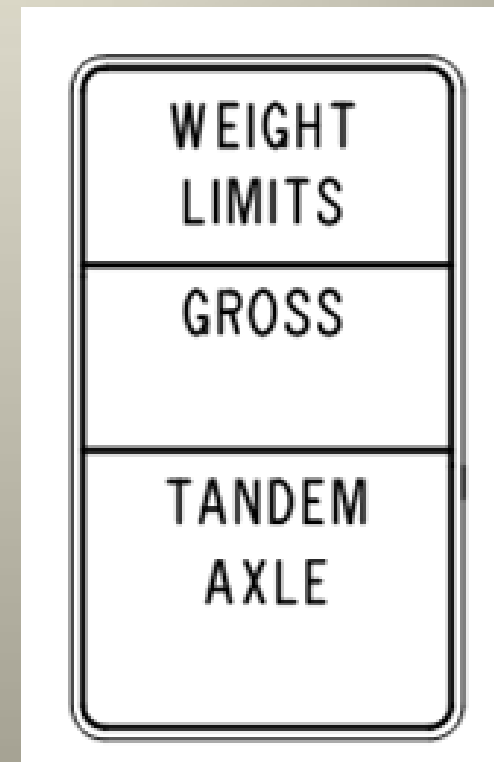
Structural Defects / Deficiencies

- On bridge with defect / deficiency:
 - Correct, or C
 - Close, remove or replace bridge, or
 - Restrict traffic loads to safe level, and
 - Report serious structural defects



Signs for Defective Bridge

- Place / maintain sign on bridge with known defect / deficiency
 - State maximum load capacity
 - Place at distance to safely stop



Records: Bridges and Major Culverts

- Record data on construction
 - Pile drive records, test results and drawings, soil compaction, relevant data
 - As-built drawings
- Create inspection records
- Keep records



Signage During Modification

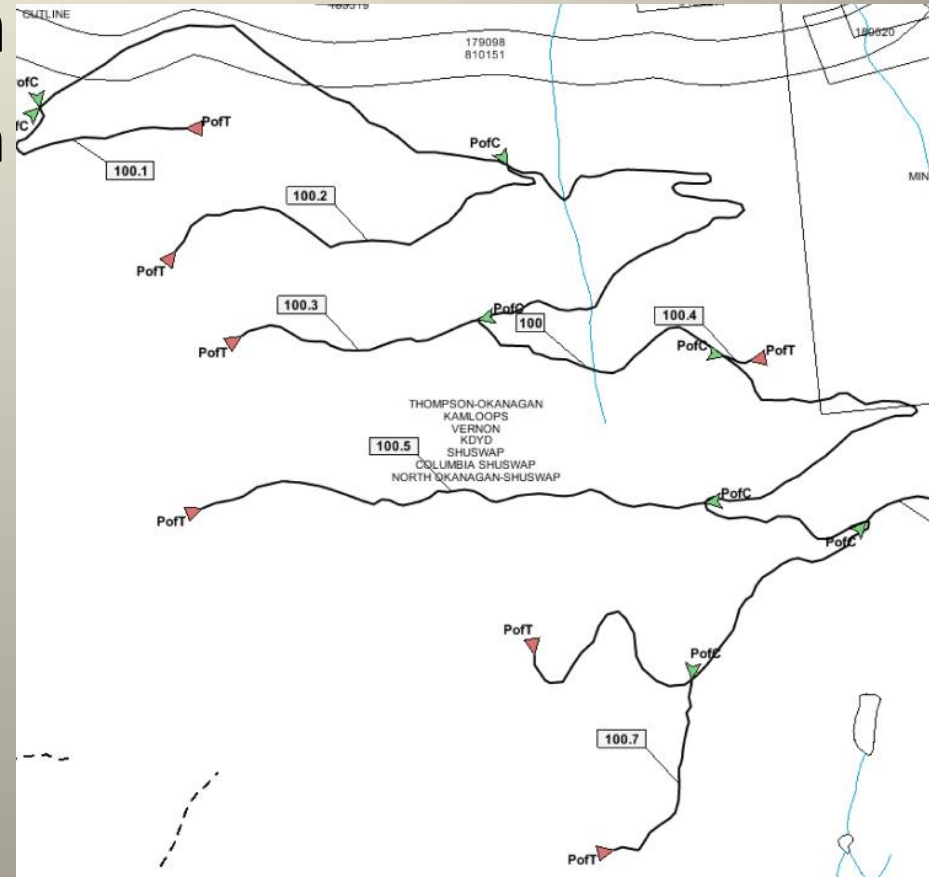
- Post warning signs during modification
- Posted at each junction with another road



Install signs

Post-Construction Report

- Submit post-construction report within 60 days of completion
 - Describe road location



Construction: Summary

- Obtain OGAA Road Permit
- Follow standards for safe design and construction of bridges and culverts
- Protect and manage the environment
- Revegetate exposed soils
- Notify OGC/others before construction start
- Keep construction and inspection records
- Submit post-construction report

Maintenance

Part 4

Roads Under OGRR



Maintenance: Introduction

- Intent
 - Ensure road is safe for use
 - Protect and manage environment
- Overview
 - Road Permit Holders must maintain for safe use
 - Road stability and functional drainage systems
 - Grading for safe use and proper drainage
 - Maintain turnouts and signage
 - Remove vegetation for clearance and visibility

Road Maintenance

- Maintain until deactivated
 - Clearing widths provide for safe use
 - Road prism and access structures stable
 - Structures functional and appropriate for road
 - Drainage systems functional
 - Road can be used safely (for intended use)

Road Maintenance: Technical

- Ensure road surface and drainage systems are functional
 - Clean Ditches
 - Keep Culverts Clear
 - Follow Water Act
 - Follow Wildlife Act
 - Road Crowning
 - In-sloping /out-sloping



Road Maintenance: Technical

- Remove vegetation growth -road/roadside
 - Adequate sight distance
 - Snow placement keeping sight distance
 - Vehicles can pass safely (turnouts, road widenings)



Road Maintenance: Technical

- Grade road surface for proper drainage and use
 - Ensure water management during operations
 - Maintain road alignment (surface and shoulders)
 - Place surface aggregate as needed



Road Maintenance: Technical

- Grade for use and proper drainage (cont.)
 - Remove potholes, ruts and washboards
 - Grade when moisture content is suitable
- Ensure
 - Adequate turnouts
 - Signs, posts and markers legible/visible



Road Maintenance: Winter Roads

- Maintaining winter roads
 - Remove snow for safe & efficient use
 - Avoid undercutting cut-slopes
 - Avoid blading gravel off road
 - Breach snow banks for wildlife crossings
 - During snowmelt:
 - Breach snow banks for drainage
 - Keep ditches, dips, culverts functional
 - Add sand when necessary for traction



Bridge Maintenance

- Inspect bridges using qualified person
 - Visual inspection yearly
 - Detailed every 3 years
 - Keep records and specifications for minimum 1 year after bridge removed



Maintenance: Inactive Period

- Limited maintenance during inactive periods longer than 6 months
 - Maintain structural integrity and stability of road prism and clearing width
 - Drainage systems are functional
 - No damage to fish, water, wildlife
 - Notify Commission within 30 days of stopping and again when activity resumes

Maintenance: Summary

- Maintain road for safe use until deactivated
 - Maintain Road stability / Drainage systems
 - Remove vegetation for clearance and visibility
 - Maintain signs and traffic control devices
 - Maintain Winter roads for safe use
 - Protect and manage the environment

Road Use

Part 5

Roads Under OGRR



Road Use: Introduction

- Intent
 - Open to all users
 - Temporary restrictions
- Overview
 - O&G Permit Holders subject to OGRR road use rules
 - Follow *Motor Vehicle Act* provisions
 - Speed limits
 - O&G Permit Holders contribute to maintenance



Motor Vehicle Act Provisions

- Road users must follow specific provisions of *Motor Vehicle Act*
- For example:
 - Rules of road for driving on highway
 - Valid driver's licence
 - No alcohol or drugs
 - Follow directions of peace officer

Speed Restriction

- Follow speed limits
 - Drive at speed safe for conditions
 - Lesser of posted speed or 80 km/h



Traffic Control Devices

- Road Permit Holder may erect traffic control devices
 - If necessary for safe road use
- Examples
 - Restrict or regulate vehicle movement
 - Require use of 2-way radios
 - Warn of hazardous or unusual conditions



Temporary Closure / Restrict Use

- Temporarily road closure or restrict use to
 - Avoid damage to road or environment
 - Avoid endangering human life or property
- Road Permit Holder must
 - Erect clearly visible signs and access control structures that are safe
 - Promptly notify OGC
 - Reopen ASAP or by OGC direction

Removal of Things

- Road Permit Holder or OGC may remove vehicle, animal, thing at owner's expense if it
 - May damage the road or the environment
 - May endanger human life or property
 - May prevent permit holder from using the road



Contribution to Maintenance

- O&G permit holders using O&G road must
 - Notify Road Permit Holder 14 days before use
 - Provide reasonable contribution to expense of maintenance or modification for their use
- Road Permit Holder must
 - Provide cost estimate of maintenance or modification to O&G permit holder road users

Road Use: Summary

- Use roads safely & follow rules
- Install and maintain signs and devices to ensure safe road use
- Temporary road closures only when necessary for maintenance, safety or to prevent harm
- O&G permit holders to share maintenance costs of roads they use

Deactivation

Part 6

Roads Under OGRR



Deactivation

- Intent
 - Maintain until deactivated
 - Deactivate when finished with road, permit is cancelled/expires, or within 2 years of abandoning well/pipeline/facility
 - May be released from deactivation if another maintainer takes over
- Overview
 - Give notice, ensure safety, remove structures, stabilize road prism, restore natural drainage patterns , revegetate, minimize sediment, install barricades



Deactivation Notice

- Give 14 days notice before starting deactivation
 - Notify OGC, known users, First Nations and land owners of intent to deactivate
 - Indicate road to be deactivated and deactivation date
 - May not begin deactivation until notice period ends



14 days notice

Deactivation Requirements

Road is deactivated when



Pipe and arch culverts removed



Maintenance During Deactivation

- Maintain active portion of road
- Maintain portion being deactivated
 - Ensure structural integrity of road prism and clearing width are stable
 - Drainage systems are functional
 - Revegetate and minimize sediment
 - Maintain road safety

Signs During Deactivation

- Post warning signs
 - Indicate road is being deactivated
 - At each junction with another road
- If exempt from barricading, maintain signs for 12 months or until finished deactivation



Install signs

Declaration of Deactivation

- Submit to OGC written declaration that deactivation is complete
 - Submit within 30 days of completion
 - Signed by Road Permit Holder
 - Include date declaration is made
 - Deactivation complies with OGRR and EMPR s.19

Deactivation: Summary

- Notify OGC, other road users, First Nations and land owners
- Follow standards in OGRR and EPMR
- Maintain road safety during deactivation
- Ensure safe removal of structures, revegetate with local seed, minimize sediment
- Install barricades as required
- Submit signed declaration of completion within 30 days

Transition to OGRR

Roads Under OGRR



Transition: OGRR and Existing Roads

- All roads used for oil and gas purposes to be transitioned to an OGAA Road Permit
- OGRR prescribes and regulates O&G roads but no requirement to upgrade existing roads
- Private land prescribed roads
 - Post-Jan. 27, 2011, considered OGRR Road Permit Holder and must maintain to OGRR standards, existing road permit valid
 - Pre-Jan. 27, 2011, any surface lease agreements still valid, considered Road Permit Holder and must maintain to OGRR standards if agreement includes obligation to maintain, requires OGAA Road Permit to modify

Transition: OGRR and Existing Roads

- Crown land roads with *Land Act* permits
 - Considered OGRR Road Permit Holder and must apply for OGAA Road Permit to maintain

Transition: OGRR and Existing Roads

- *Petroleum & Natural Gas Act* roads
 - PDRs, considered OGRR Road Permit Holder and must maintain to OGRR standards, OGAA Road Permit required to modify and to maintain
 - Section 7 roads, if authorization includes obligation to maintain, considered Road Permit Holder and must maintain to OGRR standards, OGAA Road Permit required to modify and to maintain
- Non-status roads (e.g., abandoned forestry, pipeline)
 - OGRR prescribed roads when used by O&G Permit Holders
 - OGAA Road Permit required to modify and to maintain

Summary and Wrap-Up

Roads Under OGRR



Summary



Sources of Information

- OGC website
 - Legislation & Regulations (OGAA, OGRR, C&NR, EPMR)
 - Road Application and Operations Manual
 - Forms for Application and Notice
 - Guidance documents
 - <http://bcogc.ca/industry-zone/documentation/Roads>
- Standards on CSA website
<http://www.csa.ca/cm/ca/en/standards/products/energy>

Questions or Comments?

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