

## **PMTurkeyCOLPEm Resource**

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**From:** Kugler, Andrew  
**Sent:** Friday, May 14, 2010 4:38 PM  
**To:** Maher, William; Orthen, Richard  
**Cc:** TurkeyCOL Resource; Terry, Tomeka; Moulding, Patrick; Whited, Ryan  
**Subject:** Turkey Point Environmental Site Audit Information Needs  
**Attachments:** 100514-Final Turkey Point Information Needs.docx

Bill, Rick,

Attached are the information needs for the Turkey Point environmental site audit. Please use this information in preparing for the audit activities.

We're also working on a draft schedule for the audit, which I'll share with you once we've got it in reasonable condition.

If you have any questions after reviewing this file, please let me know. Note that I'll be out of the office on Monday, May 17.

Andrew Kugler  
Sr. Environmental Project Manager  
NRC/NRO/RAP2  
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**From:** Kugler, Andrew

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## Information Needs Turkey Point Site Audit

Info needs #	Information Needs (include reviewers name, if desired)
	<b>G - General Information Needs - ALL</b>
<b>G-1</b>	Please make available originals of all ER figures in .jpeg, .png or .tif format at a resolution of at least 300 dpi, and sized correctly. Please make available the electronic version of all ER figures in black and white.
<b>G-2</b>	<p>Have available large wall map(s) at the site audit that show key features related to the proposed project, including:</p> <ul style="list-style-type: none"> <li>• Proposed temporary and permanent facilities</li> <li>• Proposed construction laydown areas</li> <li>• Proposed intake pipeline</li> <li>• Proposed water treatment plant</li> <li>• Proposed injection wells</li> <li>• Proposed transmission corridor(s)</li> <li>• Property boundaries</li> <li>• Points of interest (e.g., nearby residences, gas pipelines, nearby industries, including quarries/mines)</li> <li>• Proposed haul roads</li> <li>• Wetlands to be impacted by proposed activity (permanent &amp; temporary) by acreage &amp; type</li> </ul>
<b>G-3</b>	Have available for review the ER references.
<b>G-4</b>	<p>Provide access to all Geographic Information System (GIS) and/or CAD data/databases used to support the Environmental Report analysis and results including existing and proposed conditions as appropriate. The data should generally include, but is not limited to:</p> <ol style="list-style-type: none"> <li>a) All existing and proposed site infrastructure (roads, buildings, pipelines, transmission lines, utility right-of-ways/transmission corridors, power blocks, switchyards, pipeline corridors, cooling and retention ponds, dams, canals, monitoring/instrument stations, etc.)</li> <li>b) Location data (official property boundary, official unit point location, exclusion area boundary, and other relevant boundaries on-site or regionally)</li> <li>c) All surface and groundwater hydrologic data (watershed/subbasin boundaries, stream/river channels, springs, sinkholes, flood boundaries, reservoir boundary, site stormwater drainage, levees, hydrogeologic study boundaries, aquifers, potentiometric contours, well locations, surface water monitoring sites, etc.)</li> </ol>

	<p>d) All terrestrial and aquatic ecological data (wetlands, ponds, terrestrial and aquatic sampling sites, wildlife/habitat areas, land use/land cover, threatened and endangered species locations,</p> <p>e) Terrain and bathymetric data (LIDAR, contours, river cross-sections, bathymetric point samples, etc.)</p> <p>f) Socioeconomic data (sector data at various radii, census blocks w/ attribute data including low income and minority data, state./county park recreational area boundaries, trails, water trails, wildlife management units, traffic count data, commuter routes, etc.)</p> <p>g) Geology and soils data (site and vicinity data, faults, folds, seismic activity, etc.)</p> <p>h) Alternative (candidate) site data (point locations, proposed site boundary, proposed infrastructure, etc.)</p> <p>Have available for review metadata supporting this (GIS) data, such as purpose, access and use constraints, source, scale, capture date, contact information, processing steps, spatial reference, and data attribute definitions.</p>
<b>G-5</b>	Have available a subject matter expert responsible for analysis of cumulative impacts at the proposed site. Have available for review any documentation of past, present, and reasonably foreseeable future projects that could contribute to cumulative impacts within the Turkey Point project area.
<b>G-8</b>	Have available a subject matter expert responsible for analysis of cumulative impacts at the alternative sites. Have available for review any documentation of past, present, and reasonably foreseeable future projects that could contribute to cumulative impacts within each alternative site project area.
	<b>LU - Land Use - Sally Zeff</b>
<b>LU-1</b>	Have available for review any more detailed maps showing existing land uses and land use designations (especially residential uses, in urban areas) along transmission line corridors – ESRP 4.1.2
<b>LU-2</b>	Have available for review any maps of land ownership for the vicinity of the site – ESRP 2.2.1
<b>LU-3</b>	Have available the subject matter expert responsible for the ER analysis of mineral resources. - ESRP 2.2.1 -
<b>LU-4</b>	Provide a knowledgeable expert responsible for the ER analysis of airports and consistency of the project with air traffic and airport land use plans: - ESRP 2.2.2 and 5.1 -
<b>LU-5</b>	Have available the application filed by FPL for a CDMR amendment, as well as the application for rezoning to be filed, for the water management project, and a person knowledgeable in these applications.
<b>LU-6</b>	Have available the site restoration and management plans for the borrow site, and a person knowledgeable in these plans. – ESRP 4.1.1
<b>LU-7</b>	Have available the subject matter expert responsible for the ER analysis of off-site cumulative impacts – ESRP 7.1
<b>LU-8</b>	Have available for review a copy of Miami-Dade Unusual Use Resolution 7-56-07, including the mitigative actions/plans noted in the ER (page 5.1-3).

<b>LU-9</b>	Provide a tour of the recreational areas surrounding the project site, of the agricultural areas and recreational areas surrounding the off-site facilities, and a tour of a representative portion of the transmission line corridors where there are other than agriculture or open spaces.
<b>LU-10</b>	Have available for review any detailed aerial mapping of site and off-site facilities with the proposed facilities (corridors, for transmission lines) mapped. If available, the maps should show acreages of permanent and temporary land use changes for each onsite and offsite project element, preferably using FLUCCS maps.
<b>LU-11</b>	Have available for review any maps showing potential transmission corridors and roadways and existing and planned land uses for the alternative sites presented in the ER
<b>LU-12</b>	Have available a subject matter expert responsible for the ER analysis of the Florida Coastal Zone Management requirements for the Martin site
<b>LU-13</b>	Have available a subject matter expert responsible for the ER analysis of land use considerations for alternative sites.
<b>LU-14</b>	Provide a subject matter expert responsible for the ER analysis of the areas to be altered for major elements of the Turkey Point 6 and 7 installations, including the area to be cleared to and graded for the switchyard.
	<b>H – Hydrology - Rochelle Labiosa, Paul Thorne</b>
<b>H-1</b>	Have available for review any graphics to show under what part of Biscayne Bay the radial wells and associated piping will extend (ESRP 3.1).
<b>H-2</b>	Have available the subject matter expert responsible for the ER analysis of berms to be constructed using construction spoils piles (including but not limited to dredging, plant site and roadway improvements). ESRP 3.1
<b>H-3</b>	Provide subject matter expert responsible for the ER analysis of the relationship between infrastructure for the existing units at Turkey Point and infrastructure for the proposed units. ESRP 3.1
<b>H-4</b>	Provide a subject matter expert responsible for the ER analysis of the location and use of the startup pond. ESRP 3.1
<b>H-5</b>	Provide a subject matter expert responsible for the ER description of the design, construction and operation of the re-use water, heat dissipation, and radial well systems. ESRP 3.3.1; 5.2.1 [See also AQ-4, NR-4]
<b>H-7</b>	Have available the subject matter expert responsible for the ER analysis of compliance with water-quality and water-use regulation related to construction and plant effluents and construction-related spoils. Have available for review any analyses used to evaluate associated impacts. ESRP 4.2.1; 4.2.2
<b>H-9</b>	Have available the subject matter expert responsible for the ER analysis of plant water supply and consumption. ESRP 5.2.1
<b>H-10</b>	Have available the subject matter expert responsible for the ER analysis of the new reclaimed water treatment facility and projected impacts of this facility on local groundwater and surface waters. ESRP 3.4.2; 6.3
<b>H-11</b>	Have available the subject matter expert responsible for the ER analysis of on-site and off-site treatment and/or disposal of liquid waste associated with radioactive waste, chemical waste, or treated wastewater. ESRP 3.5; 3.6;

	3.6.1; 3.6.2
<b>H-12</b>	Have available the subject matter expert responsible for the ER analysis of hydrological effects of land conversion within proposed transmission corridors. ESRP 4.1.2; ER 4.1.2.1: Transmission Corridors
<b>H-13</b>	Have available a subject matter expert responsible for the ER analysis of dewatering the excavations for the proposed units. ESRP 4.2.1; 4.2.2
<b>H-16</b>	Make available for review the Goulder and Associates steady state water balance of canals, along with accompanying calculations for the dewatering balance with/without cutoff walls. ESRP 4.2.1; 4.2.2
<b>H-17</b>	Have available a subject matter expert responsible for the ER analysis of hydrogeological and coastal sediment transport impacts of emplacement of radial wells and dredging for the barge unloading area. ESRP 4.2.1; 4.3.2
<b>H-18</b>	Have available the subject matter expert responsible for the ER analysis of users of the Biscayne Aquifer that might be affected by the operation of the additional Units 6&7 at Turkey Pt. Have available for review any maps showing locations of such users, and the Turkey Point facility, including the reclaimed water treatment plant. ESRP 5.2.1; 5.2.2
<b>H-19</b>	Have available the subject matter expert responsible for the analysis of surface water runoff. Have available the HEC-HMS input/run files and output files for FPL Reclaimed Water Treatment Facility Storm Water Basin Design (mentioned in ERP sections 1&2 of certification application Attachment C). ESRP 5.2
<b>H-22</b>	Have available the subject matter expert responsible for the ER analysis of stormwater runoff and associated impacts on water quality. ESRP 5.2
<b>H-23</b>	Have available the subject matter expert responsible for the ER analysis of water quality impacts in Card Sound and Biscayne Bay. ESRP 5.2
<b>H-24</b>	Have available the subject matter expert responsible for the ER analysis of the impacts of flooding of the site on water quality on and off site. ESRP 5.2
<b>H-27</b>	Have available for review the Bechtel contracted document (for evaluation of boulder zone injection and radial well/reclaimed water quality of post-usage injectate) mentioned in ERP sections 1&2 of Site Certification Application ESRP 5.3.2.1
<b>H-28</b>	Have available the subject matter expert responsible for the ER analysis of alternative discharge locations.
<b>H-29</b>	Have available the subject matter expert responsible for the ER analysis of the potential impacts of “short-circuiting” of the Boulder Zone injection well on coastal, surface water and groundwater water quality. ESRP 5.3.2.1
<b>H-31</b>	Have available the subject matter expert responsible for the ER analysis of the impacts to groundwater of the construction and operation of the proposed units, including the cumulative impacts from the groundwater use of the existing units. Have available for review and demonstration the input/run files and numerical results for the updated (2009- submitted to SFWMD) MODFLOW (and other model) calculations of the impact of radial wells on the Biscayne aquifer and surrounding coastline (including water quality issues related to salinity). ESRP 5.3.1.1; 5.3.1.2
<b>H-34</b>	Have available the subject matter expert responsible for the ER analysis of the groundwater model and have available for review the GIS information, including the original GIS layer and Digital Elevation Map (DEM) data used

	to generate Figure 5.2-1. ESRP 5.3.1.1; 5.3.1.2
<b>H-35</b>	Have available the subject matter expert responsible for the ER analysis of the area affected and the velocities in the vicinity of the radial wells' intake structure. ESRP 5.3.1.1; 5.3.1.2
<b>H-36</b>	Have available the subject matter expert responsible for the ER analysis of the Aquifer Performance Tests conducted at the proposed reactor location and at the proposed location of the radial collector wells. Make available for review the aquifer test calculation packages. ESRP 5.3.1.1; 5.3.1.2
<b>H-38</b>	Have available the subject matter expert responsible for the ER analysis of the muck layer in the vicinity of the radial wells. ESRP 5.3.1.1; 5.3.1.2
<b>H-40</b>	Have available the subject matter expert responsible for the ER analysis of the MODFLOW setup and calculations. ESRP 5.3.1.1; 5.3.1.2
<b>H-41</b>	Have available the subject matter expert responsible for the ER analysis of the impacts of atmospheric contaminant releases on the water quality of local surface and coastal waters. ESRP 5.3; 5.3.1.2
<b>H-42</b>	Have available the subject matter expert responsible for the ER analysis of the monitoring equipment, data analysis procedures and documentation of data quality objectives for all stations monitoring groundwater and surface/coastal water properties. Have available for review the data associated with such monitoring locations. ESRP 6.2
<b>H-43</b>	Have available the subject matter expert responsible for the ER analysis of information related to chemical and radiological monitoring in the industrial wastewater facility and impacts of this facility on local groundwater and surface waters. Have available for review the data associated with this monitoring. ESRP 6.2
<b>H-44</b>	Have available the subject matter expert responsible for the ER analysis of plans for monitoring of the radial wells/extraction of water from Biscayne Bay. ESRP 6.2
<b>H-45</b>	Have available the subject matter expert responsible for the ER analysis of surface water monitoring. ESRP 6.2
<b>H-46</b>	Have available the subject matter expert responsible for the ER analysis of cumulative impacts (e.g., interactions between the proposed units and the Industrial Waste Water Facility and groundwater, and cumulative impacts with the Comprehensive Everglades Restoration Project). ESRP Cumulative Impacts
<b>H-49</b>	Have available the subject matter expert responsible for the ER analysis of the complete water balance for all units at the FPL site including. ESRP Cumulative Impacts
<b>H-50</b>	Have available the subject matter expert responsible for the ER analysis of water use and water impacts in the analysis of alternative sites, including analysis of current users near the potential plant sites, intakes (where applicable), and discharges. Have available any GIS layers used in the analysis. ESRP 9.3
<b>H-51</b>	Have available the subject matter expert responsible for the ER analysis of impacts of potential land and water use and population changes for the Glades and Martin alternative sites. Have available for review the documents supporting the flow rates identified in the ER for Lake Okeechobee and the C-43 canal. ESRP 9.3
<b>H-52</b>	Have available the subject matter expert responsible for the ER analysis of siting considerations for the Glade site. ESRP 9.3

<b>H-53</b>	Have available the subject matter expert responsible for the ER analysis of alternative intake systems and configurations of the radial wells for Turkey Point reactors 6&7 (as shown in ER Figure 3.1-3/3.4-12). ESRP 9.4
<b>H-54</b>	Have available the subject matter expert responsible for the ER analysis of the hydrological and ecological impacts of building the lateral wells versus dredging a channel for an offshore intake. ESRP 9.4
<b>H-55</b>	Have available the subject matter expert responsible for the ER analysis of the water quality impacts from use of cooling water from Card Sound or from the turning basin as an alternative. ESRP 9.4
<b>H-56</b>	Have available the subject matter expert responsible for the ER analysis of the limitations regarding the Biscayne Aquifer usage for the proposed and alternative cooling water systems. ESRP 9.4
<b>H-57</b>	Have available the subject matter expert responsible for the ER analysis of the Floridan aquifer as a backup water source. ESRP 9.4
<b>H-58</b>	Have available the subject matter expert responsible for the ER analysis of alternatives for water treatment, including the circulating water system and service water system. ESRP 9.4
<b>H-59</b>	Have available for review the following documents that relate to water supplies for the proposed units (References for Appendix 10 of the SCA): <ul style="list-style-type: none"> <li>▪ Analysis of Baseline Water Source (HDR, December 20, 2007).</li> <li>▪ Task 1 Initial Water Source Alternative Screening (HDR, March 13, 2008)</li> <li>▪ Task 2 and 3 Water Source Alternative Characterization and Scope (HDR, March 2008).</li> <li>▪ Conceptual Engineering of Cooling Water Supply and Disposal For Turkey Point Units 6 &amp; 7 (HDR, June 30, 2008).</li> <li>▪ Cooling Water Supply and Disposal Conceptual Design Report (HDR, March 2009) ESRP 9.4.2 [See also ALT-20]</li> </ul>
<b>H-60</b>	Have available the subject matter expert responsible for the ER analysis of the impacts to hydrology of the projected population land use change in the watershed surrounding the plant and transmission lines.
	<b>TE - Terrestrial Ecology - Mike Sackschewsky/Lara Aston</b>
<b>TE-1</b>	Have available the subject matter expert responsible for the ER analysis of important species (including Federal and state threatened and endangered species) and habitats in the vicinity of the site and transmission lines, including survey locations and methodologies, as well as the distribution of important resources in relation to the physical disturbances. (ESRP 2.4.1, 4.3.1, 5.6.1)
<b>TE-2</b>	Have available the subject matter expert responsible for the ER analysis of wetland types, distribution, impacts, delineations, and mitigation. (ESRP 2.4.1, 4.3.1)
<b>TE-3</b>	Have available for review copies of wetland delineation / survey reports, and copies of Section 404 permit applications, if available, and copies of correspondence with Corps related to wetlands and permitting. (ESRP 2.4.1, 4.3.1)



<b>TE-4</b>	Have available for review copies of any FPL or subcontractor ecological / T&E species survey reports. (ESRP 2.4.1)
<b>TE-5</b>	Have available for review copies of written correspondence with FFWCC and FWS regarding T&E species. (ESRP 2.4.1)
<b>TE-7</b>	Have a subject matter expert available to discuss FPL general and Turkey Point specific procedures for the protection of state and federal listed species, including planned protection and mitigation measures that will be implemented during construction and operation. (ESRP 4.3.1)
<b>TE-9</b>	Have available the subject matter expert responsible for the ER analysis of current and pre-existing stresses occurring to the surrounding terrestrial communities, including changes in surface hydrology and effects on terrestrial vegetation. (ESRP 2.4.1)
<b>TE-10</b>	Have available the subject matter expert responsible for the SACTI salt drift modeling and for the ER analysis of the impacts of cooling tower drift on surrounding flora and fauna. (ESRP 5.3.3.2)
<b>TE-11</b>	Have available for review copies of FPL procedures with respect to transmission corridor maintenance, invasive species control, and protection of important species and habitats while performing maintenance actions. Have available a subject matter expert familiar with these procedures. (ESRP 5.6.1)
<b>TE-12</b>	Have available the subject matter expert responsible for the ER analysis of pre-application, construction, and operational terrestrial and/or wetland monitoring. Have available copies of any monitoring reports prepared to date. (ESRP 6.5.1)
<b>TE-14</b>	Have available the subject matter expert responsible for the ER analysis of the acreage of impacts to important terrestrial habitats, including wetlands on each alternative site, associated offsite corridors, and proposed transmission line corridors. Have available for review any supporting documentation (such as figures with plant layout and hypothetical transmission line routes) on this topic.
<b>TE-15</b>	Have available the subject matter expert responsible for the ER analysis of construction and operational impacts to important species at each of the alternative sites, associated off-site areas, and hypothetical transmission line corridors. Have available for review any supporting documentation related to this topic.
<b>TE-16</b>	Have available the subject matter expert responsible for the ER cumulative impacts analysis of other past, present, or future projects occurring in the vicinity of each alternative site (and associated transmission line corridors). Have available for review any supporting documentation related to this topic.
	<b>AQ - Aquatic Ecology - Jeff Ward</b>
<b>AQ-1</b>	<p>Have available the subject matter expert responsible for the ER analysis of aquatic resource monitoring that has been conducted for the following areas:</p> <ol style="list-style-type: none"> <li>1. Proposed new transmission line corridors</li> <li>2. Onsite areas including new reactor site, industrial wastewater facility, and other onsite waterbodies, including</li> </ol>

	<p>ponds and canals</p> <ol style="list-style-type: none"> <li>3. Biscayne Bay and Card Sound</li> <li>4. Barge channel and docking area</li> <li>5. Turkey Point peninsula adjacent to area proposed for radial collector wells</li> </ol> <p>(ESRP 2.4.2)</p>
<b>AQ-2</b>	Have available the subject matter expert responsible for the ER analysis of Federal or State-listed threatened, endangered, or species of special concern that might occur on or adjacent to the Turkey Point Site or in proposed transmission corridors. (ESRP 2.4.2)
<b>AQ-3</b>	<p>Have available the subject matter expert responsible for the ER analysis of construction-related activities relevant to impacts on aquatic resources, including</p> <ol style="list-style-type: none"> <li>1. Onsite construction and filling of canals, streams, and ponds</li> <li>2. Potential impact of disposal of “muck” generated during construction of the site on the industrial wastewater facility</li> <li>3. Other construction activities adjacent to the industrial wastewater facility</li> <li>4. Construction of reclaimed water pipelines and other pipeline structures</li> <li>5. Construction of roads that would affect aquatic resources</li> <li>6. Transmission line construction- especially west options</li> <li>7. Construction of radial collector wells (nearshore habitat loss, noise/vibration effects on sensitive species)</li> <li>8. Dredging of barge slip and barge channel</li> <li>9. Mitigation plan for increased barge traffic with respect to manatees</li> <li>10. Potential hydrological effects resulting from mining or fill for the site on aquatic resources</li> </ol> <p>(ESRP 4.3.2)</p>
<b>AQ-4</b>	<p>Have available the subject matter expert responsible for the ER analysis of the impacts of the operation of the radial collector well system on nearshore benthic resources (benthic organisms, seagrasses, demersal fish).</p> <p>(ESRP 5.3.1.2) [See also H-5]</p>
<b>AQ-5</b>	Have available the subject matter expert responsible for the ER analysis of the impacts of waste from the proposed water treatment plant on aquatic species. (ESRP 5.3.1.2) [See also NRW-16]
	<b>SE - Socioeconomics &amp; Environmental Justice - Alex Uriarte</b>

<b>SE-1.</b>	Have available the subject matter expert responsible for the ER analysis of current and projected population as presented in Table 2.5-1. (ER 2.5.1.1; ESRP 2.5.1)
<b>SE-2.</b>	Have available the subject matter expert responsible for the ER analysis of Table 2.5-52, including calculation of the category "aggregate of minority races." (ER 2.5.4.2; ESRP 2.5.4)
<b>SE-3</b>	Have available for review any documentation (including names and contact information) regarding contacts with local government officials, staff of social welfare agencies and Indian Tribes done in support of the ER's environmental justice analysis. (ER 2.5.4.4; ESRP 2.5.4)
<b>SE-4</b>	Have available the subject matter expert responsible for the ER analysis of odor impacts from construction of the proposed units (ESRP 4.4.1) and thermal emission and odor impacts of operations of the proposed Units (ESRP 5.8.1).
<b>SE-5</b>	Have available the subject matter expert responsible for the ER analysis of the in-migration of construction workers. (ER 4.4.2.2.1.1; ESRP 4.4.2)
<b>SE-6</b>	Have available the subject matter expert responsible for the ER analysis of recreational use of Biscayne National Park and Everglades National Park and any particular sensitivities to physical impacts (aesthetics, noise...) of construction and operations. (ESRP 4.4.1 and 5.8.1)
<b>SE-7</b>	Have available the subject matter expert responsible for the ER analysis of the construction schedule and start-up dates for commercial operations of Units 6 & 7. (ESRP 4.4.2 and 5.8.2)
<b>SE-8</b>	Have available for review any documentation of RIMS II multipliers obtained from U.S. Bureau of Economic Analysis (BEA) for the industries and geographical area used, as well as any document used to request such data from BEA. (ER 4.4.2.2.1 and 5.8.2.2.1; ESRP 4.4.2 and 5.8.2)
<b>SE-9</b>	Have available the subject matter expert responsible for the ER analysis of the use of RIMS II multipliers to estimate impacts of construction and operations on earnings (ER 4.4.2.2.1 and 5.8.2.2.1; ESRP 4.4.2 and 5.8.2)
<b>SE-10</b>	Have available the subject matter expert responsible for the ER analysis of the current distribution of tax revenues by jurisdiction and impacts from construction (ESRP 2.5.2 and 4.4.2)
<b>SE-11</b>	Have available the subject matter expert responsible for the ER analysis of the Level of Service (LOS) designation of roads in the vicinity of the plant, before and during construction and operations (ER 4.4.2.2.4.4 and 5.8.2.2.4; ESRP 4.4.2 and 5.8.2)
<b>SE-12</b>	Have available the subject matter expert responsible for the ER calculation of mgd of plant operational consumption of potable water presented in ER 5.8.2.2.7.1 and of mgd of wastewater treatment presented in ER 5.8.2.2.7.2 (ESRP 5.8.2)
<b>SE-13</b>	Have available the subject matter expert responsible for the ER analysis of the Miami-Dade Water and Sewer Department (MDWSD) provision of reclaimed water for operations of the proposed Units 6&7 . (ESRP 5.8.2)
<b>SE-14</b>	Have available the subject matter expert responsible for the ER analysis of school enrollment projections and analysis of impact of in-migration on local schools (ESRP 4.4.2 and 5.8.2)
<b>SE-15</b>	Have available the subject matter expert responsible for the ER analysis of workforce impacts related to outages at existing Turkey Point Power Plant Units during construction and operations for the proposed units (ESRP 2.5-1)

<b>SE-16</b>	Have available the subject matter expert responsible for the ER analysis of physical impacts of construction on any particularly sensitive receptors (of noise, dust, visual impacts...) along the proposed transmission line routes, expected routes for transportation of construction material, and areas of proposed road improvements (ESRP 4.4.1)
<b>SE-17</b>	Have available the subject matter expert responsible for the ER analysis of expected location of residence and use of temporary housing by construction workers (ESRP 4.4.2)
<b>SE-18</b>	Have available the subject matter expert responsible for the ER analysis of the expected employee commuter routes to and from the site and percentage of construction and operation workers expected to use each road segment in the vicinity of the site (ESRP 4.4.2 and 5.8.2)
<b>SE-19</b>	Have available the subject matter expert responsible for the ER analysis of in-migration shares of construction and operation workers in the analysis of alternative sites (ER 9.3.3 and ESRP 9.3)
<b>SE-20</b>	Have available the subject matter expert responsible for the ER analysis of cumulative impacts to socioeconomic and Environmental Justice resources at alternative sites (ER 9.3.3 and ESRP 9.3)
<b>SE-21</b>	Have available the subject matter expert responsible for the ER analysis of supply of potable water and provision of wastewater treatment at alternatives sites (ER 9.3.3 and ESRP 9.3)
	<b>CR - Historic and Cultural Resources - Mike Bever</b>
<b>CR-1</b>	Provide a tour of both onsite and offsite project areas with respect to preconstruction, construction, and operational activities that will occur there. (ESRP 2.2.1, 2.2.2, 3.1, and 3.7)
<b>CR-2</b>	Have available the subject matter expert responsible for the ER definition of the area of potential effect (APE). Have available for review any documentation of State Historic Preservation Office (SHPO) concurrence on APE definition. (ESRP 2.5.3)
<b>CR-3</b>	Have available the subject matter expert responsible for the ER description of the process used to identify interested Native American Tribes and other parties regarding cultural resources, including the process used to identify any Traditional Cultural Properties (TCPs). (ESRP 2.5.3)
<b>CR-4</b>	Have available for review copies of all consultation correspondence with the SHPO, any involved state and federal agencies, Tribes, and any other parties regarding the proposed project in reference to cultural and historic resources. (ESRP 4.1.3 and 5.1.3)
<b>CR-5</b>	Have available the subject matter expert responsible for consultation efforts with the SHPO, Tribes, and interested parties. (ESRP 2.5.3)
<b>CR-6</b>	Provide a tour of cultural resources and culturally sensitive areas identified within the APE, as well as areas that have been surveyed to date, and areas that still need to be surveyed. (ESRP 2.5.3, 4.1.3, and 5.1.3)
<b>CR-7</b>	Have available the subject matter expert responsible for the cultural resources scope of work to date. (ESRP 2.5.3)
<b>CR-8</b>	Have available for review copies of all survey reports and technical studies for both onsite and offsite project areas referenced in the ER, Sections 2.5.3.3 and 4.1.3, including any documentation with respect to SHPO concurrence

	<p>with report findings. (ESRP 2.5.3) As summarized in the ER, these reports should include:</p> <ul style="list-style-type: none"> <li>• Environmental setting</li> <li>• Land use history</li> <li>• Further consultation efforts with SHPO and the Tribes</li> <li>• Field survey methodology and results</li> <li>• Archaeological testing methodology and results</li> <li>• Resource sensitivity in the APE</li> <li>• Site records containing details and locations of cultural and historic resources in the APE (including both National Register eligible and other resources).</li> <li>• Potential project-related impacts to historic properties</li> <li>• Mitigation measures.</li> </ul>
<b>CR-9</b>	Have available for review any documentation with respect to eligibility for significant cultural and historic resources in the APE (according to National Register or appropriate state and local criteria). (ESRP 2.5.3, 4.1.3, and 5.1.3)
<b>CR-10</b>	Have available the subject matter expert responsible for the ER analysis of the process for evaluating any noise and visual impacts to cultural resources. (ESRP 4.1.3 and 5.1.3)
<b>CR-11</b>	Have available for review any documentation regarding the mitigation/avoidance plan for cultural and historic resources identified in the APE, including NAGRPA provisions for potential human remains on federal land, if appropriate. (ESRP 4.1.3, 5.1.3, 5.10, 9.3, 9.4, 10.1, 10.2)
<b>CR-12</b>	Have available the subject matter expert responsible for the ER analysis of cumulative impacts to cultural resources, including activities of other agencies and other projects in the region that may contribute to cumulative impacts.
<b>CR-13</b>	Have available the subject matter expert responsible for the ER analysis of project alternatives, and efforts involved in identifying cultural and historic properties in these alternative areas, and in weighing impacts to them. (ESRP 9.3 and 9.4)
<b>CR-14</b>	Have available for review documents or studies used to develop a reconnaissance level of detail for project alternatives. (ESRP 9.3 and 9.4)
	<b>Met - Meteorology and Air Quality - Ed Carr</b>
<b>Met-1</b>	Have available the subject matter expert responsible for the ER analysis of meteorology and air quality described in Sections 2.7 (including Table 2.7-1) and 3.6.3.1, including the analysis of prevailing wind direction. (ESRP 5.3.2.1 and 6.4)
<b>Met-2</b>	Have available the subject matter expert responsible for the ER analysis of meteorology monitoring as described in the ER Section 6.4, as well as the staff that operate and maintain the meteorological equipment. Provide a tour of the current meteorological equipment. Have available for review any instrument maintenance records. (ESRP 6.4)
<b>Met-3</b>	Have available the subject matter expert responsible for the ER analysis of the cooling system, including with respect

	to cloud formation from the cooling towers (Section 5.3.3). (ESRP 3.4.1, 3.4.2, 5.8.1 and 6.4)
<b>Met-4</b>	Have available for review electronic copies of input and output files for AERMOD and CALPUFF models used for cooling tower plume visibility and salt drift deposition calculations. (ESRP 3.6.3, 5.8.1).
<b>Met 5</b>	Have available for review electronic copies of input and output files for PAVAN, XOQDOQ, models used for the short-term and long-term dispersion. estimates (ER Section 2.7) (ESRP 2.7, 3.6.3, 5.4.1, and 5.4.2).
<b>Met-6</b>	Have available the subject matter expert responsible for the ER analysis of construction emissions (criteria pollutants) associated with non-road and on-road construction equipment activity and workforce commuting, including the expected duration of these activities. (ESRP 4.4.1)
<b>Met 7</b>	Have available the subject matter expert responsible for the ER analysis of GHG emission associated with preconstruction, construction, operation and decommissioning.
	<b>NR - Non-Rad Health – Jim Laurenson</b>
<b>NR-1</b>	Have available the subject matter expert(s) responsible for the analysis in ER Sec. 2.7.7 and ER Table 5.4-2. ESRP 5.3.4
<b>NR-2</b>	
<b>NR-3</b>	Have available the subject matter expert responsible for the analysis in ER Table 5.4-2 and ER Table 2.7-15. ESRP 5.3.4
<b>NR-4</b>	Have available the subject matter expert responsible for the analysis in ER Sec. 5.3.1 with respect to use of reclaimed water. ESRP 5.3.4 <b>[See also H-5]</b>
<b>NR-5</b>	Have available the subject matter expert responsible for the analysis in ER Sec. 5.3.4 with respect to the effects to workers and members of the public from chemicals and etiologic agents in reclaimed water. ESRP 5.3.4
<b>NR-6</b>	Have available the subject matter expert responsible for the ER analysis of impacts on potable water supplies from building and operation of the proposed units. ESRP 5.3.4
<b>NR-8</b>	Have available the subject matter expert responsible for the ER analysis of the effects to workers and members of the public from inhalation of chemicals of concern and etiological agents in air emissions. ESRP 5.3.4
<b>NR-9</b>	Have available the subject matter expert responsible for the ER analysis of cumulative impacts with respect to chemical or etiological agents. ESRP 5.3.4
<b>NR-10</b>	Have available the subject matter expert responsible for the ER analysis of recreational activities occurring near the cooling water injection location. ESRP 5.3.4
<b>NR-11</b>	Have available the subject matter expert responsible for the ER analysis of cumulative health impacts of construction and operation. ESRP 5.3.4
<b>NR-12</b>	Have available the subject matter expert responsible for the ER analysis of the worker nonradiological health and safety program. ESRP 5.3.4

<b>NR-13</b>	Have available the subject matter expert responsible for the ER analysis of population distribution near the site.
<b>NR-14</b>	Have available the subject matter expert responsible for the ER analysis of local noise ordinances and possible mitigation to meet those ordinances.
<b>NR-15</b>	Have available any documentation describing the cooling system's open channel (flume) described in ER Section 3.1.2.
<b>NR-16</b>	Have available the subject matter expert responsible for the ER analysis of noise levels for onsite operations.
<b>NR-17</b>	Have available the subject matter expert responsible for the ER analysis of the electric shock impacts from transmission lines.
<b>NR-18</b>	Have available the subject matter expert responsible for the ER analysis of cumulative impacts to human health, including activities of other agencies and other projects in the region that may contribute to cumulative impacts. ER Section 5.11.8.
<b>NR-19</b>	Have available the subject matter expert responsible for the ER analysis of the nonradiological health effects at alternative sites, including cumulative impacts. ER Section 9.3.
	<b>NRW - Non Rad Waste - Ralph Grismala</b>
<b>NRW-1</b>	Have available the subject matter expert responsible for the ER analysis of vegetative debris from land clearing operations, including clearing of the proposed transmission line and pipeline rights-of-way.
<b>NRW-2</b>	Have available the subject matter expert responsible for the ER analysis of management of spoils from clearing, grubbing, and excavation, after dewatering.
<b>NRW-3</b>	Have available the subject matter expert responsible for the ER analysis of the disposition of "muck" to be excavated from the Unit 6 & 7 plant area, or other excavations.
<b>NRW-4</b>	Have available the subject matter expert responsible for the ER analysis of the construction of the permanent reinforced concrete diaphragm "cutoff" wall, including the disposition of the used slurry.
<b>NRW-5</b>	Have available the subject matter expert responsible for the ER analysis of the impacts of construction debris proposed for disposition by onsite combustion.
<b>NRW-6</b>	Have available the subject matter expert responsible for the ER analysis of the facilities and processes for managing onsite disposal of Class III industrial solid waste

<b>NRW-7</b>	Have available the subject matter expert responsible for the ER analysis of offsite disposal of construction or operational nonradioactive industrial waste, municipal solid waste, and nonradioactive hazardous waste.
<b>NRW-10</b>	Have available the subject matter expert responsible for the ER analysis of the disposition of waste oil from the waste oil storage tank
<b>NRW-13</b>	Have available the subject matter expert responsible for the ER analysis of any potential soil contamination in any of the areas proposed for excavation, land clearing, or other disturbance.
<b>NRW-14</b>	Have available the subject matter expert responsible for the ER analysis of waste to be generated by the fleet vehicle maintenance facility.
<b>NRW-15</b>	Have available the subject matter expert responsible for the ER analysis of sanitary waste and sludge disposal.
<b>NRW-16</b>	Have available the subject matter expert responsible for the ER analysis of the disposition of sludge produced during normal operations of the re-use water treatment plant. (See also AQ-5)
<b>NRW-17</b>	Have available the subject matter expert responsible for the ER analysis of the diesel storage tanks and associated emissions.
<b>NRW-18</b>	Have available the subject matter expert responsible for the ER analysis of construction and operation of the deep injection wells, including management and disposition of drilling fluids and analysis of the chemicals listed in ER Table 3.6-1.
<b>NRW-19</b>	Have available the subject matter expert responsible for the ER analysis of any onsite disposal areas.
	<b>HP - Health Physics and Radiation Protection – Greg Hofer (Rad/Fuel Cycle/Waste/Decommissioning)</b>
<b>HP-1</b>	Have available the subject matter expert responsible for the ER analysis of the Tritium Groundwater Monitoring Program.
<b>HP-2</b>	Have available for review copies of the Turkey Point Annual Radioactive Effluent Release Reports and the Annual Radiological Environmental Operating Reports submittals to the NRC from 2004 through 2009.
<b>HP-3</b>	Have available for review a copy of the latest revision to the Offsite Dose Calculation Manual (ODCM) submitted to the NRC.
<b>HP-4</b>	Have available the subject matter expert responsible for the ER analysis of radiation doses from the planned ISFSI. Have available for review any details/diagrams/plot plan of this ISFSI.
<b>HP-5</b>	Have available for review the background radiation exposure rates for Units 3 & 4 area prior to construction of those units and the background exposure rates for the proposed Units 6 & 7 area.
<b>HP-6</b>	ER Section 4.5.2 states: "Contained sources of radioactive material from Unit 6, including the refueling water storage



	tank, will be shielded such that the direct dose rate to Unit 7 is negligible.” A similar statement is made in ER Section 5.4.1.3. Have available for review the specific portion of the AP1000 Tier 2 DCD supporting these statements.
<b>HP-7</b>	ER Section 4.5.3.2 states: “Direct radiation measurements at the site indicate exposure rates that are consistent with those observed during the preoperational surveillance program.” Have available for review the documentation supporting these measurements and a copy of the referenced preoperational surveillance program.
<b>HP-8</b>	Have available the subject matter expert responsible for the ER analysis of doses to construction workers for the proposed units.
<b>HP-9</b>	Have available for review the LADTAP II/GASPAR II calculation packages and have available the subject matter expert responsible for the calculations.
<b>HP-10</b>	Have available the subject matter expert responsible for the analysis of ER Section 5.4.1.1.
<b>HP-12</b>	ER Section 5.4.5 makes the following statement: “For Units 6 & 7, the estimated annual occupational dose, including outage activities, is 67 person-rem per unit.” Have available for review the specific portion of the AP1000 Tier 2 DCD supporting this statement.
<b>HP-15</b>	Have available the subject matter expert responsible for the analysis of ER Section 5.4.1.
<b>HP-17</b>	Have available the subject matter expert responsible for the ER analysis of the disposal and/or storage plan for radioactive and mixed waste.
	<b>Acc - Accident Analysis—Ali Azarm</b>
<b>Acc-1</b>	Have available for review the AP-1000 PRA information used for CDF contributions (internal and external initiators), Accident Categories, and source terms. ESRP 5.2
<b>Acc-2</b>	Have available the subject matter expert responsible for the ER analysis of population dose from water ingestion for each of the accident categories. ESRP 5.2
<b>Acc-3</b>	Have available the subject matter expert responsible for the ER analysis of the amount of the fish being harvested (in Kg) from the water bodies surrounding within the 50 miles of the site. ESRP 5.2
<b>Acc-4</b>	Have available the subject matter expert responsible for the ER MACCS-2 analysis, as well as the documentation of the protective actions considered, the evacuation model, and the consideration of site specific risk contributions. ESRP 5.2
<b>Acc-7 Alt.- site</b>	Have available the subject matter expert responsible for the ER analysis of accident effects in Table 9.3-6. Have available the supporting documentation and calculations regarding radiological impact from DBA and potential severe accidents, including input/output data. ESRP 9.3
	<b>T - Transportation - Phil Daling</b>

<b>T-1</b>	Have available for review electronic copies of RADTRAN and TRAGIS input and output files. (ESRP 5.7.4; 7.4)
<b>T-2</b>	Have available the subject matter expert responsible for the ER analysis of the impacts of transportation of radioactive materials. (ESRP 7.4)
<b>T-3</b>	Have available for review any calculation packages that were used to develop Sections 5.7 and 7.4 of the ER. (ESRP 5.7.4; 7.4)
	<b>Alt – Alternatives - Tom Anderson</b>
<b>Alt-1</b>	Have available the subject matter expert responsible for the ER analysis of power purchases. (ER Rv 0, Sec 9.2.1.1 p. 9.2-3)(ESRP 9.2.1)
<b>Alt-2</b>	Have available for review FPL's Ten Year Power Plant Site Plan, 2009-2018 cited on Page 9.2-2 of ER Rv 0, and any updated plans.(ESRP 9.2.1)
<b>Alt-3</b>	Have available the subject matter expert responsible for the ER site screening methodology and use of screening criteria as discussed in Section 9.3, as well as the application of exclusionary criteria. Have available the documentation supporting the siting study. (ESRP 9.3)
<b>Alt-11</b>	Have available the subject matter expert responsible for the ER analysis of the characteristics of population density and proximity to highly populated areas for the preferred site and alternative sites. (ESRP 9.3,)
<b>Alt-12</b>	Have available the subject matter expert responsible for the ER's definition, scaling, scoring, importance, and weighting of the criteria summarized on Tables 9.3-2, 3, -4, and -5 (ESRP 9.3)
<b>Alt-19</b>	Have available the subject matter expert responsible for the ER analysis of water use for the alternative sites
<b>Alt-20</b>	<p>Have available for review the flowing documents that relate to water supplies for the proposed units (References for Appendix 10 of the SCA):</p> <p>Analysis of Baseline Water Source (HDR, December 20, 2007).  Task 1 Initial Water Source Alternative Screening (HDR, March 13, 2008)  Task 2 and 3 Water Source Alternative Characterization and Scope (HDR, March 2008).  Conceptual Engineering of Cooling Water Supply and Disposal For Turkey Point Units 6 &amp; 7 (HDR, June 30, 2008).  Cooling Water Supply and Disposal Conceptual Design Report (HDR, March 2009)  ESRP 9.4</p>
<b>Alt-21</b>	Have available the subject matter expert responsible for the ER analysis of alternative cooling tower designs. ER section 9.4.2.1
<b>Alt-22</b>	Have available the subject matter expert responsible for the ER analysis of alternative intake and discharge systems. ER Section 9.4.2.1
<b>Alt-24</b>	Have available the subject matter expert responsible for the ER analysis of alternatives for water treatment, including the circulating water system and service water system. Section 9.4.2.1

<b>Alt-25</b>	Have available the subject matter expert responsible for the ER analysis of cooling water source alternatives. ESRP 9.4
	<b>BC - Benefit/Cost - Michelle Niemeyer</b>
<b>BC-1</b>	Have available the subject matter expert responsible for the ER analysis of the benefits and costs of Turkey Point Units 6 and 7.
	<b>NP - Need for Power - Michelle Niemeyer</b>
<b>NP-1</b>	Have available the subject matter expert responsible for the ER analysis of the need for power with regard to FPL and Turkey Point Units 6 and 7.